# Dermatology Handwritten Note

# MBBS Help

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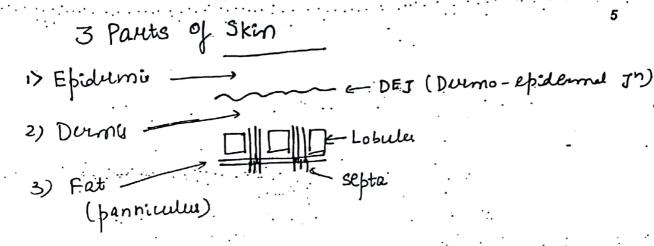
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Subject:	Dermatology		

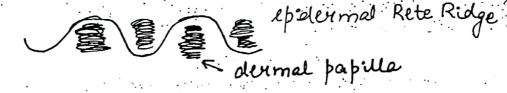


# Dermatology

- Dr Saurabh Jindal







### PIDERMIS

4 Layers

I) STRATUM CORNEUM

Co

Thickest Layer

Max. Keratin

Corneum - means Keratin.

GRANULOSUM 2) STRATUM

6 granule

Keratohyaline granule



Thinnest Layor

3> STRATUM SPINOSUM (55)

Spinous priojer coming out

Max. Desmosome are resent

## 4) BASAL LAYER You Division

SITUATIONS FOR 3 LAYERS

Active Activite

VLBW

Protessis

Absent

Absent

Stratum wineum

Stratum wineum

Stratum wineum

5 LAYERS - palm \* sole

5 Corneum

S. Lucidum > non nucleated Layer

7 compression

7 antefact

5. Spinosum

S. Basal

Keratinisation

of epidermal

cells

Sc > 1000 mg

Sc > 1000 mg

Sc > 1000 mg

Sc > 100 mg

Reratin

Sc > 10 mg

Reratin

Sc > 10 mg

Reratin

Sc -1000 mg Keratin (thick Sc)

Hyperkeratosis

Thick sa > Hypergranulosis Seen in LICHEN PLANUS. Thick SS > A canthosis LICHEN PLANOS PSORIASIS ... ECZEMA SS + SB = Malphigian Layer Se & protection I celle go more horizontel  $\otimes$ SB - Devision needs nucleus SC Nuclear Size 54 SS 14 days 28 days tell 14 day shedding

TIME TURN OVER TIME

0

0

6

6

6

0

6

6

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20

#### Psoriasis

Hyperdivision of SB Layer.

Nucleated SC \_\_ Less time to shed off

3 days PARAKERATOSIS

PARAKERATOSIS

DNA Inhibited

Tell Sternulates SB cell to devide.

Thick SC 0000

HYPERKERATOSIS

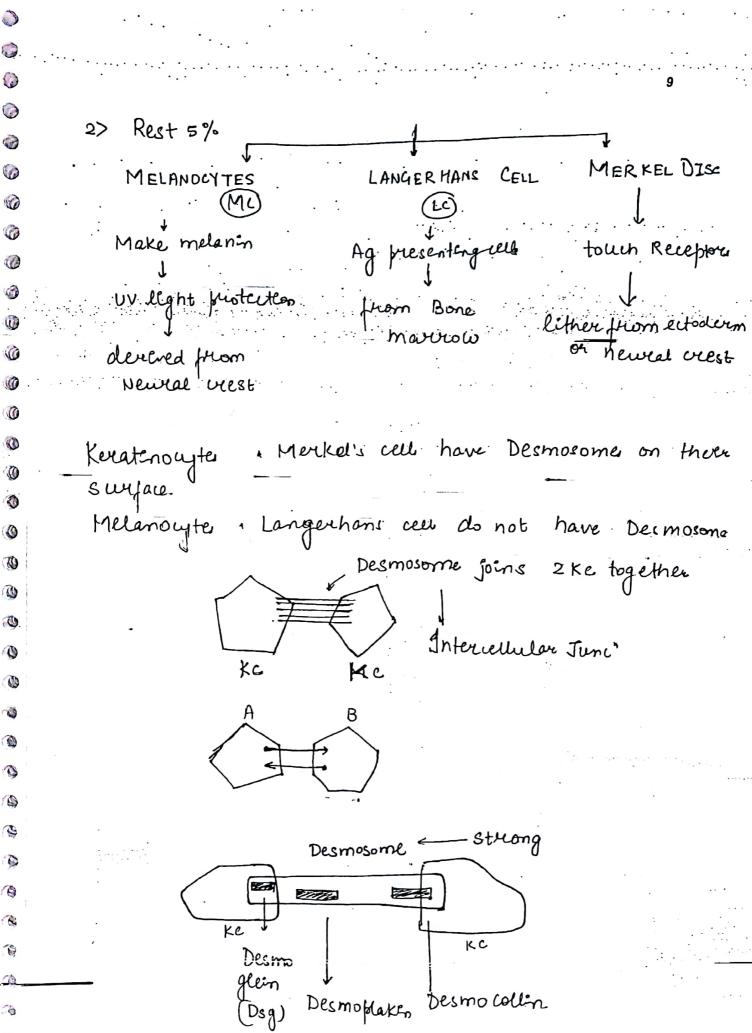
Retinioid Vita like Remove Telli
1) Methotrexate
2) Cyclosporine
3) Biological drugs

#### EPIDERMAL CELLS

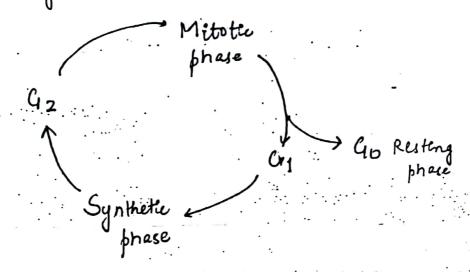
1) 95% » has kereatin , cell are called

KERATINOCYTES

- · Funi": -v Puoteiten p Secretor of ytokines 2) Immunologial Role Innate Immunity
- · Derived from ectoderen.



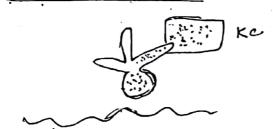
Keratinocyte cen cycle Time = 311 hrs



In [soriasis] » cell cycle time is 1 to 36 hours.

#### MELANOCYTES

Melanoytes are <u>Dendrite</u> Celle
They make melanin a transports it vie dendrite
processes into KC (Been Repidermal melanin unit = 1:36]



Andians have Type 5 skin (Brown Skin)
Less melanin (foirskin) or No melanin (albinim)

Chronie DNA damage

Premalyment - Malignany
(SCC)
BCC
Melanoma

Photo carunogenesis

(h4. sun damage [cumulative or light]

UVB = 240-320 nm UVA = 320-400 nm

Causes skin Burn

Favier skin

Causes sken Janning

4 More Burning

Darker Skin

4 Move Tanning

#### PREMALICINANT SKIN DISEASES

(A) SUN EXPOSURE

eg. ACTINIC KERATOBIS

means sun

leade to SCC

- B) May or May not be SUN Induced
  - 1) Bowen's Disease -

Scc - In - Situ

restricted to lipiderme.

- 2) Oliai Leuko platia
- 3) oual erythusplaken

- 4) Oral Submucous fibrosie
- 5) ond ulcretire linen planus

### MALIGNANT SKIN DISEASES

I) BCC

H/c skin Concer

> NODULO - ULCERATIVE M/c type of BCC

(Rodent Uller)

Locally aggresive skin cancer Metastasis is have

C/F %-

- 1) Noduler a ulcerate en sun-enposed sites
- ulcers have Rolled | edge | Rolled | Pearly |
- 3) Jelangertasia on its surface Rx:- Moh's microsurgery pathology controlled dissect.

#### E SCC

Mc in organ transplant pts. due to immune suppression.

#### ETIOLOGY

- 1) Sun
- 2) Immuno compromised
- 3) HPV DNA viveus

  L'onchagenic viveus

  Integrates its DNA into Kc gene , divider along i

low-Risk High Risk
HPV 6,11
HPV 16,18

External
Genita
Warts
Warts

0) Cauliflower masses by Hyperkeratotic plagues

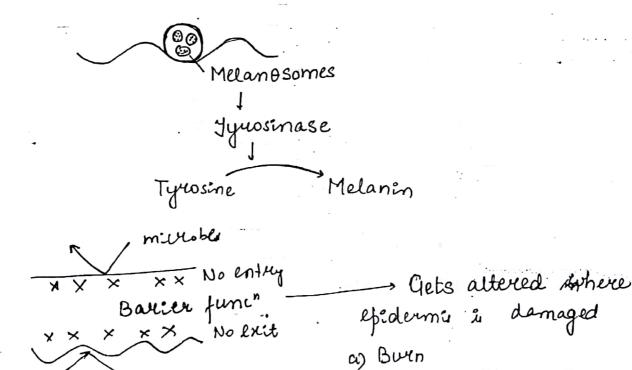
£\_\_\_\_\_\_

cs ulieus

dr metastasis

#### III Melanoma - Later.

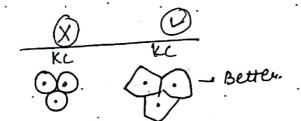
- \* COLOUR OF SKIN depends on :-
- 1) Melanin production
  - 2) Transfer of melonin to Kc
  - 3) No. of melanosomes Not the no. of melanocytes



b) wound.

Deumal

fluid



Embyonal Phase



**←** →

these pulling .

#### PEMPHI GUS

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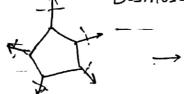
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-A Desmosome Start cutterg



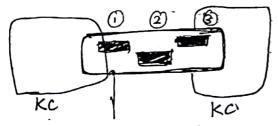
Acantholytic-cell or Tzanck cell

cut desmosome

Blister

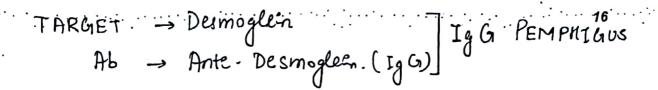
Blister

"pemphia" means Blister > Intercellular Disease.
Y Desmosomes BREAK?



Iga Ab formed agaent Dernoglien.

Week Dermosome

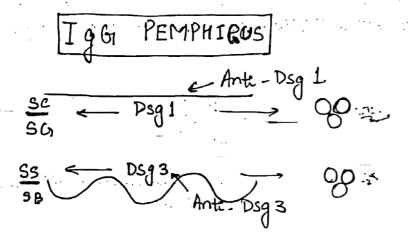


TARGET -> Desmo collin

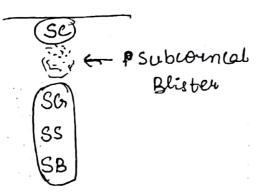
Ab -> Ante- Demo Collin (IgA) IgA PEMPHEAUS

TARCIET - Desmoblaken (19A/1967) Jemphigus

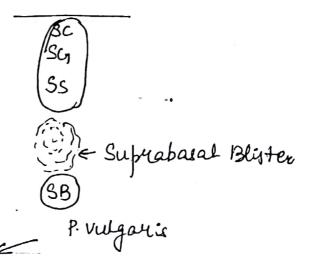
Ab - Anti-Desmoblaken (19A/1967) Pemphigus



Subvorneal Blister = P. foliaceous Suprabasal Blister = P. Vulgaris - common

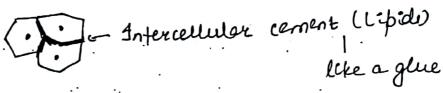


P. Foliaceous



, IIII

Raw of Tombstone appearance



Thrown out

KC

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make the glue

Lamellar Body (Max in granulare Layer)
Odland Body

#### ECZEMA/DERMATITIS



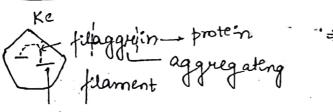
Defective

Hluid

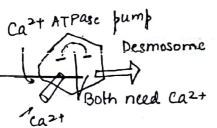
Intercellular edema (Spongiosis)

Desmosomer are (N)
Dedema ou 150 û moue in Pernphique
Oogeng û a sign of aute eczema

#### CONGENITAL EPIDERHAL BLISTERS



Keraten.



mutation in Ca-ATPase pump. : buth

weak Ke circulare Kc (Acantholytre cell)

DD

Keratosis Folliwlanes

correct

Incorrect world.

there is

No followlar involvement

hyperkeratosis

 $\left( \frac{1}{2} \right)$ 

Circular weak

Compensatory T of keratin Synthesis

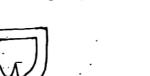
Ciecular Strong KC

C/F 8-

Hyperkeratotic Spiny sharp papules on skin.

Hove in sebourhoeic areas

NAILS: 1> V Shaped nicking of nails



27 Red/white longitudinal nail lines



PALM- Palmar Pit

R = Retinoeds.

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#### DARIER'S DISEASE

Dyskeratotic cell in SC - 10000 Hyperkeratosis

SC = CORPS GRAIN SS - 1000

Dyskeratotic cell in SB - 2mg

SG, CORPS ROND

-Premature Revatenisation = Dyskeratosis

OTHER LAUSES FOR DYSKERATOSIS

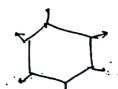
- 1) Premalignant skin Discase
- 2) Malignant Sken Disease

HHD: No compensatory hyperkeratose Hence pulsents = Blisters

CIENE MUTATION :-

Ca ATPase 201 gene

Dancers. Ca ATPase [2A2] gene EPIDERMOLYSIS BULLOSA SIMPLEX.
Traume induced Blisters

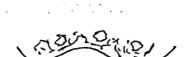


No Keraten 5,14 since Buth.

(N) Desmosome

Fragile basal Keratenocytes.

TRAUMA



No acantholysis Blister in baral layer

3 TYPES OF EPIDERMOLYSIS BULLOSA

EB SIMPLEX

EB JUNCTIONAL

EB DYSTROPHICA

(i.)

S. Basal.

On DEJ"

in Dermis.

#### DIRECT IMMUNO FLOURE SCENCE

Picks up Antibodies in Blistering Disorders

Pemphigus DIF (

DD/ HHD/ EBS | EBJ/ EBD -> DIF @

#### ACANTH OLYSIS

10 (Pulling Problem)

- v Pemphigus
- 2) Dariers Dulane
- 3) HHD

6

- 4) Bullow Impetego
- 5) Staphylococcal Scalded sken Syndrome (SSSS)

2° (Pushing Problem) 1) HSV - Herpes symplex

2° ACANTHOLYSIS

H H



Balloning



Blister

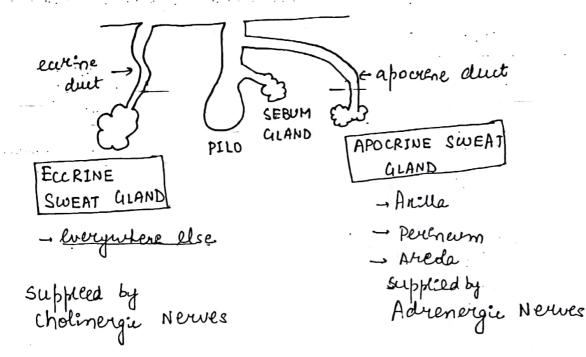
Acantholytic Cell

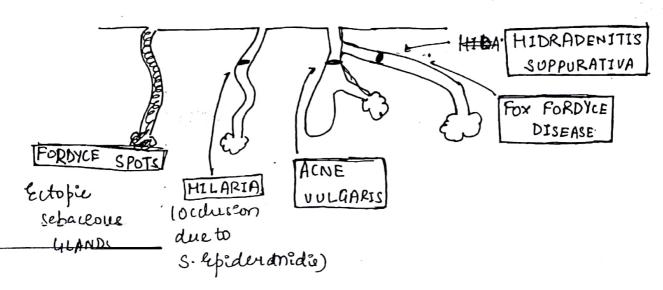
#### ACANTHOLYTIC CELL

- 1) Circular
- 2) Large nucleus
- 3) Navvou cytoplasm
- 4) Prominent nucleoli



### APPENDAGE / ADNEXA





#### PATHOGENESIS:-

-

Le

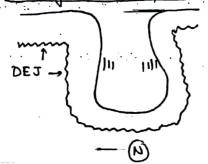
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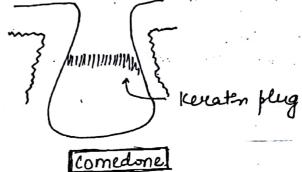
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- 1) Keratenisation of followlar repitheleum
- 2) Pushiperation of propionibacterium aines
- 3) I sebum product en seborichoeix area.
- 4) Dermal Enflammation.

Pathogenesis of comedone :-





(Hyperkeratenisation of followlar Githelium)

#### STAGE -1 ACNE

2 TYPES



BLACK COMEDONE

(open comedone)

Black Head

WHITE COMEDONE

(closed)

white head

Ry = Topical Retinoids (Adapalene/ Tretinoin)

SIE - skin irritation

- photosenstruitu hence applied at night

Burst 3 Propie

puopioniba cterium.

Stage 2 = (Stage 1 + papule)

R = Topical Retinoids .+ Topical Antibioteus
-clindamy cinv

- Clarithtiony con

- Dapsone.

#### STAGE-3

Stage 2 + Pustule.

Rx = Topical retnoide + oral Doxy
Arithromy

Azithronycin

Menoydine Most effective

Most effective

1) Hepatotoxie

z) Bluih skin þlymint" on long term use naili

- Acnescaus

DRUG RESISTANT ACNE

17 Topical Benzoye Perfoxide

Saje in 6.

release nascent [0] on skin surface
[Bactericidal]

```
2> Jopical Azelaic Acid
Bactericidal
```

Tyrosinase Inhibitor > reducer post aine pregmentation.

#### STAGE 4 ( stage 3 + Nodules/lysts)

Acre has polymorphic Lessons

R = Oral Retinoids

C

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(3)

13

3

13

L. Acitretin = Keratolyte , used in psorcasis

- 1 Sotretenoin = Keratolyte + Sebolytic (AIIMS, NOV 15)

#### STACKE 5 ( ACNE CONGLOBATA)

STAGE 4 + Severe Inflammation -L disharging sinuses Fever

chest/back

R= Oual isotretinoin + anti-enflammatory (steroids)

Recalcitrant Pustular Acne - Isotretinoin.

Not responding

#### ACNELFORM ERUPTIONS :-

Drug induced Acne

Monomorphic Lessons on chest + theck. (popula)

Causes:

- 1) oral +topical steroids ~
- 2) Anabolic Steroids
- 3) INH, Rifampiin
- 4) Phenytoin, Phenoborbitone

#### HORMONAL ACNE

lg PCOD presents as -Acne

- Androgeneter Alopeira on scalp
- Husutam on face
- Ivregular menses

Rx = Androgen (B) Blocker

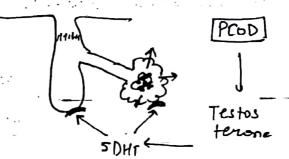
Cyproteronone acetate

Duosperinone

HIC SIDE EFFECT of Isotretinan

= DRY LIPS (checites)

Other SIE:-



- 1) Hyperlipidamia
- 2) @ category X'
- 3) Percod of contracepteon after stopping Isothetinoin → 1 month.

  Actuetin = 2 month.

HIDRADENITIS SUPPURATIVA

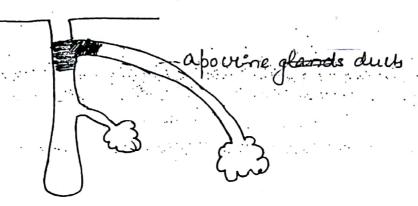
water Gland

fus

pus

Discharge

Sinus



Keratin obstruct of apoviène ducts extending into heir follilles

Lestons similar to Acne but in Apociene Arleas. Hence called INVERSE ACNE

2° Injer [ S. Aureus] => Creates Abscesses +
Deraining sinuses in
apocine areas.

Rx = Retinoid + Broad spectrum oral Antebrotecs, Surgical debridement of pus.

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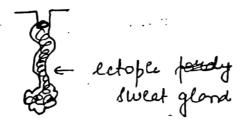
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- Lesser Keraten obstruir à compared to hédradenète
- only Inflammatory papules in apourine areas.
- No comedons seen.



TO FORDYCE SPOTS





Ectopie sebacious gland on upper lipe Buccal mucosa asymptomatie. No Re required

#### LANGERHANS CELL

Derived from Bone Marrow Picks up Ag in Epidermis

Send to Local L.N. for processing

THI Melponse (Teel) (Bell)

HPU puts Langerhans cett to sleep i creates inject in epiderina

Hence Ry fore warets is Langerhans bell stemulation [topical Imaginod]

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Tcells
(Band of
Lympho
phenomenon)

yes

2nd mistake

1st mistake.

Lang. cells.

Local
L.N.

2nd mistake

Bullets/Cytokenes

Jegaps in DET called

Max Joseph Space

Ag causing

Liquefacture degeneration

of Junction.

peviotie

ke

fall Ento

dermis

dermis

Colloid bodies

Colloid bodies

Cytoid bodies

Melanin Colour

Clinical sten colour

- 29

BLACK

S

BROWN.

PURPLE :

BLUE / GREY

3

Other Changes seen in LP:

- -Hyper keratosis
- -Hypergranulosis
- -> Pigment in continance
- Acanthosis (thukened spinous layers)

Band of Lymphocytes + Basal cell degeneration = Interface Dermatitis

Basal ceu degeneration. (Host 1 ster hertology feature)

OTHER LAUSES OF INTERFACE DERHATITIS

- Fined Dung Comption
- luythema multiforme
- Graft vs Host Disease

Disorder of Pigmentation (Hyperfunctioning melanocytes)

#### TRIGUER FACTOR'S=

- 1) sun exposure
- 2) OCPs

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3) ( (chloasma)



C/F=

- » Brown hyperfigmented patches at check , nose è photo sensitivity.
- 2) Chronic disease

Ro

- 1) Sunscreen
- 2) Tyrosinase Inhibitors eg.1) Kojic acid
  - 2) Hy duoquinone (2-4%) gold Sta]
  - 3) Azelaic acid
  - 4) Arbutin
- 3) Topical retinoid
- 4) Jopinal Steroid (melanoyte enhibitores)

KLIGMAN RECTIMEN

Topical hydrocychone

Hobical Hetenoid

+
Yopical Steroid

Prusent are persistent brytheme on Idalar area i photosensitivity

Rash is in a butterfly pattern.

#### ROSACEA

- > TRIGUER FACTOR
  - 1) Sun
  - 2) Alcohol
  - 3) Hot spiny food
  - 4) unotenal upset
  - 5) Demoder mite
  - 6) lenercise
- ⇒ STAGES
- 1) Felangectasia. Intermittent flushing (episodu funting)
- 2> Papule · Pustules
- 37 Rhinophyma (Potato Nose)
- > R= avoid triggers
  Topical Steroid (41) > bevoz they iause
  telangertasea

Orally Doxycyclene - Doc

Lack by ante-inflammatory effect

Topical Metrionedazole or Clendamy cen

(anti-inflammatory druge)

ACANTHOSIS NIGRICANS - mishomere
Black velvely areas in flexures
PATHOLOGY:

Insula Resertance

ILGIF (<u>Insulen</u> leke growth factor)

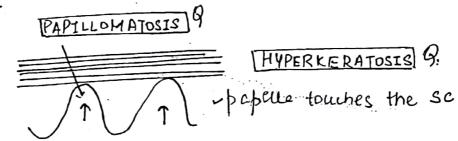
thank SKen.

CAUSES =

- , obesety Q
- 2) DM
- 3) PCOD
- 4) Drugo (systemic steroid, nicotinic acid)
- 5) Gastrie Adeno Ca -> Harrest cause Q.

Not: a melanin disease

ON BIOPSY:



# CLASSIFICATION OF SKIN LESTONS

#### PRIMARY LESTONS

	Less than 10	iun m	Morce than	
FLAT	MACULE		PATCH	
PUS	PUSTULE		Pustule	
FLUID	VESICLE	1 g 1 G 1 G 1 d	BULLA	
SOLID ELEVATION	PAPULE		PLAQUE	4

#### LEVEL OF BLISTERS

EPIDERMAL

Flauid

Rupture by essely

Dolan't heal I slaveng

Heat à hyperpigmentation

DERMAL DEJ"

Tense

Dolgnot respective by itself

Heal I scaving milie

Heals i hypopigmentation.

#### SECONDARY LESTONS

1) SCALE

visible enfoliation of Skin

SILVERY SCALES :- PSOMIASIS

POWDERY » = Pityriasis Versicon

COLLARETTE » :- Pityriasi Rosea 9 :- Hanging Q. Curtain sign

P LEAF LIKE SCALES - Pemphiques folleaceous
Horse flavid OPF - Row always ruptures Less flaved OPV
ruptures fluct released fours scales on how surface
PF
DsgI Sebourhoete areas mucosa - absent
27 CRUST:
Whally Black in Colour  37 EROSION, ULCER, FISSURE:
ussion Weller
4> LICHEN SIMPLX CHRONICUS (Lichenefication)  Thickening
Inveased Hyperpegmentation  Sken markinge
5/0 Chronic Uchy skin Disease

()

O

#### HAIRS

HAIRS 2 TYPES

TERMINAL

y heck

VELLUS

thin

Jeiminal

called as

ANDROUENETIC ALOPECIA (ACIA)

MALE AGA

- Starts Their line Recession

- followed by frontal vertex balding

-> Lateral · Post Density (1)

R= 5% Minoxidil oral finasteriale 1 mg/day

Male AGA GRADED from

Least most

Noorwood-Hamilton Grading Scale FEMALE AGA

No hace line recession wedening of central parting

R. 2% Minoxidie Androgen @ Blocker

1 ← → 3

Ludwig Greading scale

1 DISORDES of HYPO/DEPIGMENTATION

A ALBINISM

Tyrosinare x at bouth

Melanin.

Newral

West - N

Melanoytes tht Melanin absent

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Deffuse white skin & white & have No vir Pigmentation.

B PIEBALDISM

Localised neural velst dysfunci

NO Melanoytes

longenital

\* Arceas of B'Sken withen where patch

\* White fore lock \_\_\_\_\_

front Lock of here

Piebaldism + Deafner + 1 Inter pubillary Destance

@ NEVUS DEPIGMENTOSUS/ NEVUS ACHROMICUS :
Buth mark

localised white patch since birth.

Pathologyi

Melanoytes I

Melanin transfer to keratinocytes I

- D'NEVUS ANEMICUS:Varulor Ab(B)

  Faint hypopigmented patch Since birth

  Not a melanin disorder
- EVITILIGO:
  Acquered, not congenital
  Autoimmune Disorder
  Depigmented Lesion
  He underlying Disease: Thyroid Disease
  Melano (Ag)
  THE

Tielli LN Z

H/P. No melanoute No melanin. Deligmented slun Defigmented (Kin Have Black Haer. Leuco - Trichia \* POOR PROGNOSTIC FACTORS 1) On Bony prominences 2) Leucotriche 3) Lip-Tip 4) Thyroid Disease CLASSIFICATION OF VITILIGO LOCALISED GENERALISED Focal Avojacial segmental Vetiligo Vulgares (Me) Mucosal Uneversal lip- Pep R = Immunosuppresives UV leght Photofherapy stimulates Inhibits lymphocyte

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Need a sensitiver called 'PSORALEN'

Topical oral (localised cases) (generalised cases)

wait for 1-2 hours
give UVA light

[PUVA Thereapy]

UVB Phototherapy
UVB (290-320 nm)

No need for PSORALEN

Broad Band UVB

(290-320nm)

Naviou Bond

UVB

(311 nm) & Best Theropy

For Localised laser:

Topical immuniosuppreserve

Stewd Tavolinus

You generalised case:-

systemic immunosuppresives

Steroid - Azatheoprine

Methotrerate

Swegical (Done per only for stable vitilige) 11

No new Lesions

° past 2 years.

L. Split skin Graft

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F) CONTACT LEUCODERMA

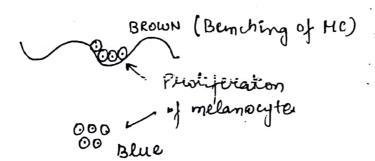
Chemica

Agents causing Leucoderma

- 1) Bindi (wmmonest)
  - · Para tertiary Butyl Phenol (PTBP)
- 2) Footwear/ plastic
  - · Monobenyyl ether of hydroquinone (MBEH)

    | Most potent agent

    useful in universal vitilize to depigment
- 1 DISORDERS OF HYPERPIGMENTATION
- (A) MELANOCYTIC NEVUS (common mole)



# 1) CONGENITAL MELANDCYTIC NEVUS (CMN)

Cliant Nevus (>20cm) has risk for malignancy
Melanoma

B) ACQUIRED MELANOCYTIC NEVUS (AMN):

Junctional AMN

DEJ: Dermis

Compound AMN

Intradeumal AMN

BROWN MACULE

(cell at Dermis

are nartice)

BROWN PAPULE

BROWN PAPULE

C) NEVUS OF OTA ATIMS MAY 2015

Dermal melanosytee nevus

Blue in colour

- along Tringemena N/V

~ U/L

rolong T Blue Scheron en same side

D) NEVUS OF ITO (similar to nevus of ota)

shoulder

ipper Back.

clavicular area\_

Supradaviulor « Lateral Brachal N/Vs 43

B) MONGOLIAN. SPOT

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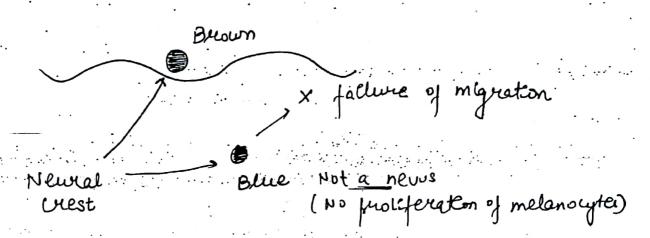
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Site: Lumbosavial area self resolving by puberty

F) BECKER'S NEVUS Q.

Hence Brown in colour

- On Shoulder, Chest upper Back
- B> q
- > onset Adolescents
- Due to androgen sensitivity causing hypertrichosis a Acne inside the Brown patch.

R = [LASER.]

G) MALIGNANT MELANOMA

R/F :- 12 Face skin
25 Giant CM21
37 Atypical/Dysplastic Nevus

5) Xeroderna Pigmentosum (DNA repair disorder)

B) CRITERIA

A - ASymmetry

B -> Border (ivregulon)

c → Colour (mutteple)

D -> Diameter > 6mm

E → Evolution.

#### TYPES

1) [LENTIGO MALIGNA] (melanoma in Situ)

Brown Horizontal phase

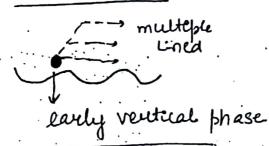
Brown Single line along bajal

Best Pringnosis layer

2) LENTIGO MALIGNA MELANOMA

Not very vertical phase

3) SUPERFICIAL SPREADING MELANOMA



47 NODULAR MELANOMA

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B

Only vertical
POOREST PROGNOSIS

- 5) AMELANOTIC MELANOMA] → Non bigmented
  - -> Varlant of no nodular melanoma
- 6) ACRAL MELANOMA extremity

TOC: Excisional Skin Bropsy Histologeral . Gradeng

BRESLOW

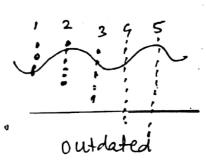
CLARKE

depth of melanoma

relle from SG

layer

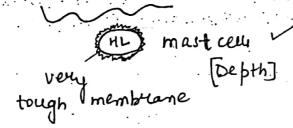
measured in mm



Rx = surgual lexcision.

# MAST CELL DISORDERS

(HL) most cells X



(A) URTICARIA (HIVE)

Disease of fragèle mast cell membrane Defiti a

Rupture FRAGILE

H D Create inflammation stamine renkotrière on mast cen surface 1) Redness 7 Weaken mast cen wheat

3) Hickory (Transient) Lesions TRIGGERS FOR MAST LELL RUPTURE

A Acute Triggers

Acute witharia (<6week)

- Food ::

6

(1)

(1)

63

13

10

9

- Druge
- Injections
- B Chronie Yriggers

Chronie wetravia (76 weeks)

1> Autoimmune withavea

Fe Ig E against Ig G

A/c autoimmone thyroidites.

- 2) Idiopathie Vettearia
  - Theagen is unknown.
- 3) Physical withoutin

Ireggerio physical

lg- cold - cold withania

Sun -> Solar lutteraria

Sweat -{ eccrene) - cholenerger breteria

Socatch - Dermojgraphism

to sken towace

Water - Acquagenie unteravia

Website: http://mbbshelp.com

WhatsApp: http://mbbshelp.com/whatsapp



Acute Cases - Remove Ag

Chronic laser - Ag Removal deffeult

D Ant:-(H) antchutaminus.

1st gen 2nd gen

More sedative

Less Sed<del>ata</del>ve

lg. Hydronysene

- 2) Anti(Hz) Antihutominics

  lg → Ranitedine

  → Limetidene
- 3) Anti- leukotriene lg. → montelukast
- 4) For Autoimmune Witheaver

  Jannunosuppresives]

  lg. → Steroids

  → cyclosperine

  → Azathioprene

  → Methotrenate
- 5) [Omalyumab] => [Antimonoclohal

=) Anti IgE dring

(B) ANGIOEDEMA	49
also called as QUINCKE'S EDEMA!	
Rupture of most cell in suburtaneous	fat
Fat dolin't have itch n/vs.	
in Hidness	
Because jatis a loose tenue  [eyelidi/leps]	
of neep. olderna - sudden death.	
. Ry= If leps eyes involved - Inj Hydre	ocoutione
If resp Injadorenaline	
HEREDITARY ANGIOEDEMA	
C <sub>1</sub> esterase inhibitor	
J (C)	
Bradykinin	in turny
In HAE -, C1 esterase anogyme inhibitor enzy	me defluteray
Hence Kinen Level 1	
Triggering angeolderne	
Low complement (G): - Screening Test	

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Smooth HIs Hamartonna.

Pseudo-Dayier's S

Website: http://mbbshelp.com

2) Hutcocytosis

3) leukemia

SHAPES OF SKIN LESION

1> ANNULAR (Ring)

r active Borden centreal clearing

eg.a) Tinea [Ring worm]

- b) BB Hansen
- .) Herald Patch of Pityriasis Rosea
- 27 CIRCINATE

multeple coules.

lg. Circenate Balanitée (Reiter, & Disease)

NODULES, discharging sinuser along lymphatics

Causes

13

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4

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(2)

S

19

Sporestreichosis: caused by sporothnex schenkii

FISH TANK GRANULOMA SWIMMING POOL GRANULOMA caused by Myubacterium marinium.

4) ISOMORPHIC OF KOEBNER'S PHENOMENON

suester/ Linear Treauma

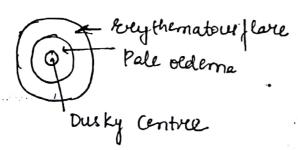
Psoxiasis

New LesconsbsoMiasis. Schatched line

of KOEBNER's TYPES PHENOMENON RARE FALSE TRUE (Viral) (autoimmune) Dorcer's Disease waret ( verruca PsoMiasis HHP Luhen planus Crythema multeforme Vitugo. Kaposi's Sarcoma Due to auto-nowlation while Lichen Scherosis swatching. Lichen nitedus

REVERSE KOEBNER -PSOHLASY

5) TARGET LESSON BULL'S EYE / IRIS LESSON
ly Crythema Multiforme.
Luythema Chuonicum Migrans



TESTS IN DERMATOLOGY

A) wood's lamp

B) Histopathology

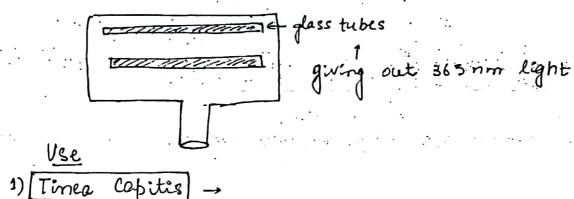
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#### WOOD'S LAMP

- 365nm

6

- Compositor - Barium silicate + 9% nickel oxide



Fungal (Dermatophyte)

Species

Trichopyton lepidernaphyton Microsporum. Keratophilie jungus

nail, Haves.



Ecto thrix

endothucz

usually by Microsporum

By Yeichophyton.

1 an woodilans

O on wood's lamp

Bluish areen

Howescence

27 letythrasma 
T caused by Corynebacterium minutessimum

Red patcher - in groin arilla

Asymptomatic

On wood's Lamp = CORAL RED FLOURESCENCE"

on wood's LAMP. YELLOW FLOURESCENCE

- \_ 4) Burrow of Scabies\_ on woods lamp- UREEN.
  - or Blister fluid

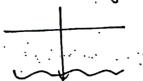
    on Wood's lamp PINK/RED
  - 6) vetiligo=
  - ASH LEAF MACULE.

    WHITE a more prominent on wood's

    8)



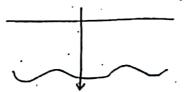
vischle light



Neutralised by (6) Porphyrins in dermis

#### PORPHYRIA

vischle soret light



Abo Dermal porphyra

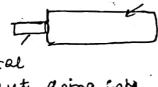
No neutrealisation of light

Dermal Damage

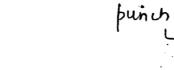
Dermal tense bluter en light exposed areas.

### BY HISTO PATHOLOGY-

D By Punch Biopsy Instrument
Plaster pout



tetal point into



Inculon

encipien

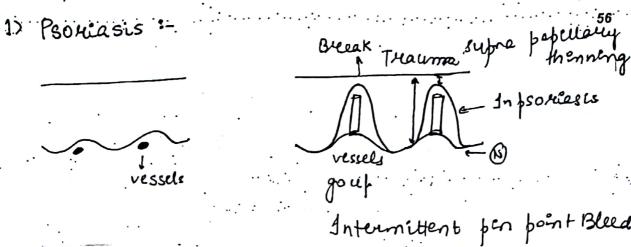
- 2) Incision Biopsy
- 3) Exciseon Biopsy

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4) Shave Bropsy (JIPMER)

Superficiel Removal of sken à hourzontel novement of Blade uted for superficiel elevation Lesions



Internitient per point Bleed
2 AUSPITZ SIGN-

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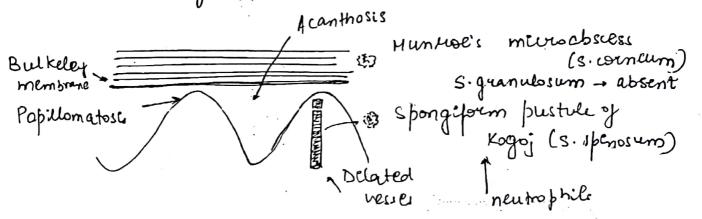
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Q.

Auspitz sign is demonstrated after GRATIAGE TEST (Sureping)

on sureping. Candle war like scales are dislodged

Bulkeley membrone i a thin membrone at the lower part of wineum & need to be dislodged to see bleeding points.



less neutropheli in comeum > MICROABSCESS.

More neutrophel = corneum => MICROABSESS + MACROABSCESS
Pustular Psoness

sterile pustule.

empty space (papillary tip Blisters)

Papillory tep neutrophile

Not macroabscess

#### 3) MYCOSIS FUNGIODES (MP)

mishomer.

No jungus.

A type of CTCL (Gutaneous T. cell Lymphoma) CD4 D malignant dermal T cell.

PAUTRIER'S MICROABSCESS)

malgnant hymphocytes.

SEZARY CELL -> display EPIDERMOTROPISM towards
Cerebrefren
nucleus

when sezary cell go up => Early MF

Sezary

Sezary

Late HF (Se SEZZARY SYNDROME)

Vessel

1

3

### FEATURES OF SEZZARY SYNDROME :-

- 1) Serzary Celle in Blood
- 2) Generalised lymphadenopathy
- 3) Erythuodermaj Enfoliative Dermatitis
- 4) means > 90% Body surface avec involvement

Crythro - Red

Rexpoliative - Scaly/folling off.

4F- Red Scoly sken in >90% Body swiface

### STAGES OF ME :-

- 1) (1) patch stage MF
  - I → plague stage MF
  - 1 → Tumowe
  - (E) brythroderna stege

R of MF:

#### I) EARLY :-

& from outsiele

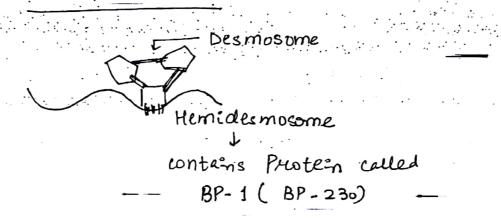
Skin Derected Therapy (SDT)

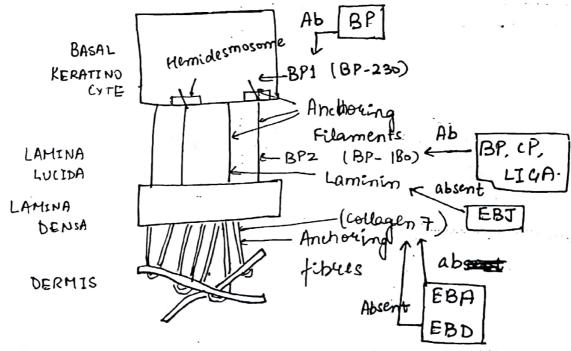
- a) Topial Steroid
- b) Photo therapy
- e) electron Beam Therefy
  (EBT)

uvlight

Ry from inside. Chemotherapy

# DERMO- EPIDERMAT JUNCTION (DET)





BP -> Bullous Pemphigoid CP -> citatrical "

in a

LIGA - Linear 19A disese

EBA - Réfidermolysis Bullosa Acquisita

1

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SALT SPLIT TECHNIQUE

Splitteng of chen @ Junc' of Lucida · Densa on putteng the sken in saturated sol of salt

Roof Bluter

.Floor Blufer

BP, LP, LIGA.

EBA, EBD

EBJ

D Bullous Pemphigoid

Ag

Ab (1gCn)

Anti BP1

Anti BP2

Level of Blister = Lucida (Acquered)
DIF (F)

Dicatricial Pemphyoid

Ag → BP2

Ab → Anti BP2 (194)

Level of Blater = Luccda (Acquirol)

DIF ④

III) LIGA

Ag = BP2

Ab: Anti BP2 (IgA)

Level: Lucida

DIF (+)

EBJ

Ag = Nil

Abz Nil

Absent Laminin Since Buth

Level = Lucida

DIF = (

D EBD

Ag. Nee

Ab. Nil (absent Collegen 7 since Bireth)

Level = Dermis

D1F = (-)

UI) EBA.

Ag = Collagen 7

Ab. Anti collagen 7 (Igh)

Level: Dermis

DIF = +

### DIF

L, BP/CP/ EBA

Sample is skin Beopsy from Perilesional Skin for DIF. while for Houtine H&E Lesional Biopsy is taken

Pemphyu

Felaceus

Pemphyu

Vulgaris

Linear 196, C3

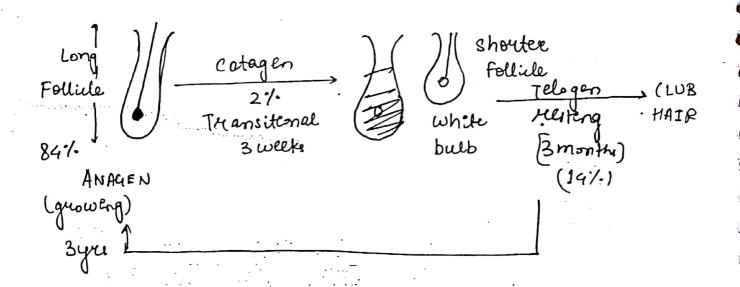
Linear 196, C3

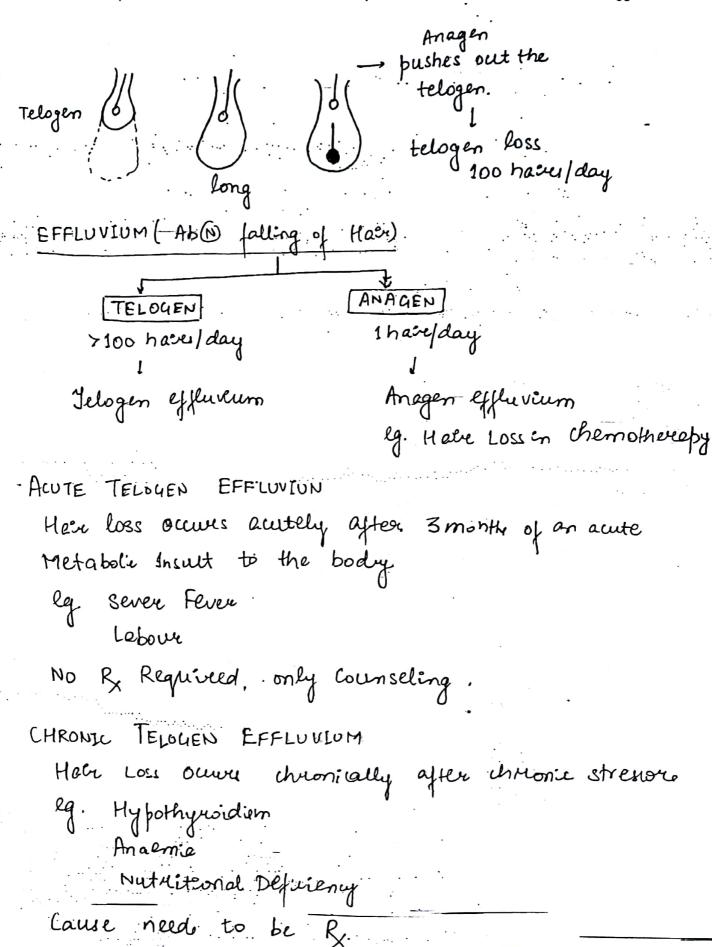
Linear 196, C3

Linear 196.

I Dermosonne = Ig G Ab = Ante-Ante Ig G (Dsg-1) green. green green

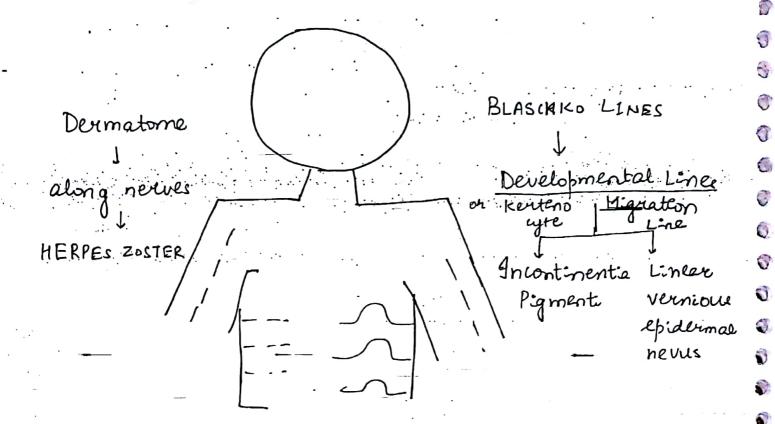
### SCALP HAIR CYCLE





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### BLASCHKO LTINES Q



### INCONTINENTIA PIGMENTI (AIIMS)

AB Die X- Linked Dominant Disorder

4 stages
Blister
Vervuous (cauliflower like)
Typerpigmentation
Hypophymentation

3

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LINEAR VERRUCOUS EPIDERMAL NEVUS Along BLASHCKO Cauliflower epidermis since berth Phesents as cauliflower like masses along Blaschko Line Since birth. · persute throughout life Histobath: Epidermelytie Hyperkeratosis Breakdown. In epiderin's In Stratum Granulosum. D & C 3G. NEU RO FIBROMATOSIS Skin Features: NFI - also called von Recklinghausen Disease 1> AXILLARY FRECKLES (pathagnomic) L CROWE'S SIGN 2> CAFE- AU- LAIT MACULES ( CALM) L, also seen in d) Fancon: anemie a) Tuberous sclerosis b> (N) people

c) Mc-Cune Albright Syndrome

3

coast of.

Mc - Cune

On pressing è e blunt object on neurofebroma resultant is not felt in deeme due to a dermal defect

# TUBEROUS SCLEROSIS / EPILOTA

Skin features:

Tuber - potato like tumaures

3

ASH LEAF MACULE

Epi - epilepsy

Careliest

Lot - Low

HIC Sign

10 - 1Q

tnt at buth.

A - Adenoma sebauca.

Hypopigmented patch.

Become more visible on wood's lamp.

pointed oval.

>3 % significant

### 27 CONFETTI MACULE

small circular.

hypo

- small hypopigmented Macule like confetti

37 ADENOMA SEBALEUM

mignomer

No sebum relation

Skin colowed papules on face

2-syra of age

PATCHI/ PLAQUE SHAGREEN Shack skin - Lough.

Roughened plaques on Ls Region

KOENEN'S TUMOUR

- periungual jebroros

- at puberty

#### DISEASE CONSIECTIVE \_ TISSUE

1 LUPUS ERYTHE MATOSIS

SKIN

Discoid

centree active

- Nummular

- only cicatrical alopecia Photo sen sitere

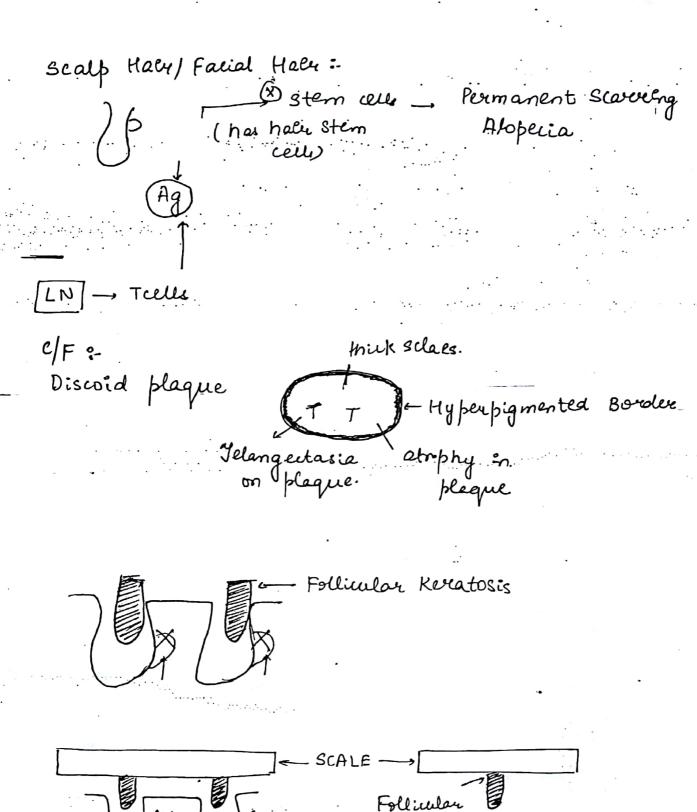
Autommane Halu follile Disorder SKINT SYSTEMIC SLE

Couse

cicatrecial alopecia

Non cicatricial

aloperia...



Scarcing dobecia

TAC SCALE

SLE pt: Someternes have then I fragile levely broken have

SCLERODERMA
excess
collagen

& unpinchable. / Hard Bound Down

only SKIN SKIN SKIN + SYSTEMEC

HORPHEA Few systems Many

Mic site Trunk

Linear morphea on Scalp causes Linear areles of cicatricial Halr Loss resembling cut  $\bar{c}$  sickle

en-coup-d-sable

Few systems Many systems

LIMITED

SYSTEMIC SCLEROSIS

SCLEROSIS

CREST SYNDROME

C = (alcinosi

R = Ray naud's prenomenon

Ezerophageal dysmothity

S = Selevodactyly

T = Telangectasia

1

#### SYSTEMIC SCLEROSIS

### CRITERIA for Deffuse

MAJOR

### Essential

· Schroderma proximal to the metacarpophalangeal It.

MINIOR

#### 2043

- · Schrodactyly
- · Digital petted score
- · Bibasilere pulmondery fibressie

#### SKIN FEATURES -

- ") Mask like face due to facial tightening
- 2) Purse string mouth/microstomie



- 3) Peri-Oral Rhagades
- 4) Frequent Raynaud's phenomenon
- 5) Salt Pepper Pigmentation
  - DERMATO MYOSITIS

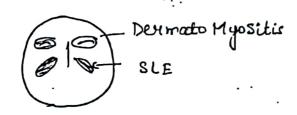
    Skin Proximal H/s weakness
  - (A) Lilay Purple Colour

photosensitevity area

Heliotrope Rask SHAWL SIGN

on Interphalangeal
or Metecarpophelangeal Tts

GOTTRON'S PAPULE

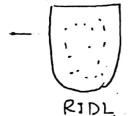


B Mechanics Hand. & Rough Hand due to palmare Hyperkeratosis

#### DISORDER NAIL

1> PITTNG DISEASE.

Due to involvement of proximal nail matrices ?



Random Irvez war.

Deep

(B)

1

Psociasis



Superficial

Regular

Geometric



coorse large

Alopeire areato

leczema

HIC sign of proper psoperasis.

#### NAIL PSORIASIS

as pitting is the MIC sign but not specific to psouriesin Having þits - I chance of getting jt: involvement in þsoklasie þt.

by Salmon Patch / Oil Decop sign: (Pathognornic of psontare) Red faint

- 3) Subunqual hyperkeratosis
- 4) Ony cholysis
- 5) Splinter heamourhage.

Jonal Planus

Jo

20 Noil Dystrophy. (Trachyonychia) JIPMER

or Sand Peper noil

also seen in psociasis.

· alspecia acceta

Inverso

## 4 INVERSE (VENTRAL) PTERYGIUM Q

Skin from nell bed fuses à the undersurface of nail bed seen in scleroderma.

57 HALF & HALF NAIL
Seen in Chronie Renal Failure
Revereble on hemodialysis.

Proximal 50% white

Distal 50%

Brown.

due to melanin deposits on nail bed due to THSH sevretion. in CRF Horizontal groover on the nail plate.

Due to temporary supprencen of nall growth due to past fever or Local nail fold treaume.

No Ry Required.

NEUTROPHILIC DERMATOSIS

Neutréphilie accumulation in Deremis

molecular miniory Ag lg. Strepto throat

Dermel: neutrophils

neutroph de

inflammateon

R = Antigen Removal + Anti-Neutrophilio Dung

D PAPSONE

- 2) COLLHICINE
- 3) STERDIDS oral

Dermatité Herpetiformis - Doc: Dapsone Behcet Syndrome

Sweets syndrome (Doc

. Doc: steroeds

Pyoderma Gangrenosum.

PYODERMA LANGRENOSUM

No pyoderma, no gengrene

Present av Very Painfuil leg ulcer à Purple

Margin around it

ulier - undermined

Associated =

\_ IBD

- Haematological malignancy

SWEET SYNDROME ALUTE FEBRILE NEUTROPHILIO DERMATOSIS.

Presents autely à red, oddematous, painful plaque on extremitte à fever . It pains.

Resembles cellulitis.

Doc: Steroids.

Associated =

- Strepto (H/c)\_\_ others - AMI, Delige, 3

Histopath:

Plenty of neutrophile on dermis

Beh.

BEHCET'S DISEASE

MAJOR

MINOR (any 2)

Recurrent aphthous ulcers

superfecter, round/oval,

Painful i a red morgin around et. Heuverent genitel aphthous Where Huge Lesions (Panuverty)

\*Stin Lesions (levytherna nodosum, purtules)

· Pathergy test

PATHERGY TEST : at the site of Entreader-Inflammatory Papule or Pustule (after 48 hm) the forearm. mal Inject on Seen in-17 Behcet's 2) Pyoderma Gangreenosum 3) Sweet's Syndrome (Karely) 4) RA. IBD CUTANEOUS A> EXOGENOUS TB 1) TB chance means alcer-Flask Shaped. undumined 27 TB verreucose cutis (TBVC) cauliflower skin. 37 LUPUS (VULGARIS THE typ of cut. TB in adults. No previous exposure to TB (TB naive, patcent) Puerious exposure to TB 1° TB Post 1° Pt. has low immunity to TB High immunity LBAC E TB chance (paucibacillary) MULTIBACILLARY (MB)

3

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# LUPUS VULGARIS P. AIIMS.

Healing = centreal scaveing
Progressive Lesions
Buttocks

DIAGNOSIS :- D DIASCOPY

Prening à a glass slide

yellow Brown Nodules visible

(APPLE JELLY NODULES)

Land seen in

Sarcoidosis

Leichmaniasis

2) SKIN BIOPSY
Non-caseating tuberculoid Greanuloma

Lupus vulgaris : paucibalculary

Central claving | Central scaveling | Central viusting
Tinea | Lupus vulgares | Leinmanian

- (B) ENDOGENEOUS TB
  - 1) SCROFULODERMA H/c in children.
  - 2) PERL-ORIFICIAL

LN cervical injected

Pell oral · Pere anal where = severe int. TB.

- (C) TUBERCUJID daughter Lesson
- \* Daughter Lesions initeate Hypersensitivity in sken causing inflammation also leading to fragmented bacieli in sken c can be cultured

Mantoux test is strongly positive in Tuberculid.

3 TYPES (Depending on size of daughter Leseons)

Daughter is very tiny (miscopapule size)

Micropapular Tuberculid. Or Lichen scropulosorium

4F. Grouped micropapules on trunk

H/P- Perifollicular non-caseating TB granuloma Papulo-nevrotic Tuberculid - Nodular telberula brytheme me induretum

Bazinis Dilase

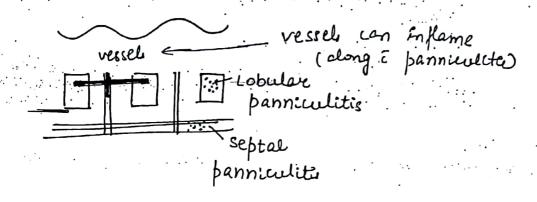
C/F- Red, tender, nodule on early & ulcrates

(10)

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# PANNICULITIS



## SEPTAL PANNICULITIS

¿ vasculités

eg Trujthema Nodosum

## LOBULAR PANNICULITIS

T vasculites

lg. Nodylar

Tuberculoid

cout vasulitis

lg DPanvieater Pannemette

(Aute/chr.pancreatets/ Cancer)

2> Post stewed panneculety

3> Lupus pamiculité

4> Suburtaneous fat neurock of newboren

## ERYTHEMO NODOSUM

Red. Jender nodules on Shin & never ulcerate

### CAUSES

NO - No cause, Neutrophila Dermatoses (Behalt's Dillare, Sweet Syndrome)

D- Deugs ( En d'édes, bromèdes, sulfonamedes

O-OCP

S - Sarwidosis

U- Ulcerative Colitie ( also (rohn:s)

M- Microbes-(strepto)

Maternety Malignancy (Hematologicae)

FEATURES	EΝ	ENL	SWEETS S	SYNDROME
Neutrophili	<i>†</i>	+	+	÷
Histiocyte:	+	+	Θ	
Vasulitis	- Same	<u></u>	<i>O</i> .	

ROJ EN:

1) Bed Rest

2) Neutrophie Removal Drugs (Sterolde), Doprone, colchicine) -

3) Removal of cause

## -IDNSENS DISEASE

M. Lepuae grows in wolf areas skin n/v (superficia)

then Skin. Nerve 1st

(thruken the n/v)

Neuve involved but doesn't involve sken= Pure neuveal

1

5)

(0)

0

0

HIC peripheral NIV involved (UL) = [Ulnar]. LL = Post Tibial

M/c deformity = [CLAW HAND]

M/c clanial N/v= [FACIAL N/v]

· Lagoph thalmos

Biopsy taken from Hadial cut > sweal nh India = BT HANSEN Hansen In Commonest Int. Organ Involved = Yestis (bewy ithay low Commonest temp2

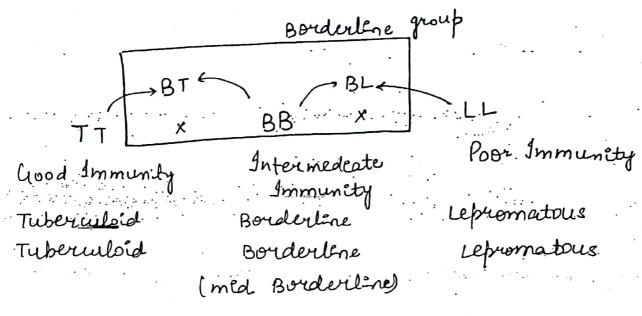
Organ never Involved in HANSENZ Were-P CNS - 0

Carliest sensation into lost = Hot , cold defferentiation:> Cold 7 Hot> light touch > pain > coude touch.

Sensation never Lost = Proprioception, vibration.

Website: http://mbbshelp.com

WhatsApp: http://mbbshelp.com/whatsapp



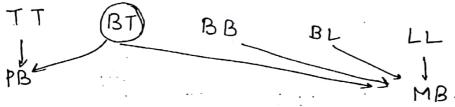
# RIDLEY JOPLING CLASSIFICATION.

Based on.

- 1> Clinical
- 2) Barteriologerel (slet sken smear- SSS)
- 3) Hutologeral (Skin Biopsy)
- 40 Ammunological (Lepromin teiting)

If there are >10,000 Baciller/gm of sken - MULTIBACILLARY
HANSEN

If there is <10,000 Backlus/gm of sken - PAULIBACILLARY
HANSEN:



TT - Immunologically Stable

BB Downgrading [cout ]

TT Hansen on Biopsy shows Perivascular Periadheras neural arandoma

Letre celle ( Derind maurophage fue of laprosy

Bacilles).

ciquette ( globi shaped

Special Stain

D Zn Stain

2) Fête Stain. Image Blue background] Red Bacilli.

Centrey of Organism
Sent to LN

Th 1 (Tuell)

Th2 (BULL)

Toward TI

Toward LL.

LIVING

HDT

FILLED

HDT

Oun't Ag

100 cm² of Ag.

100 unth of immunety

immunety

(Hypedesensitevity)

Tiell

Tiell

Type 2 Lepra Reae"

Reversal Reae"

Reversal Reae"

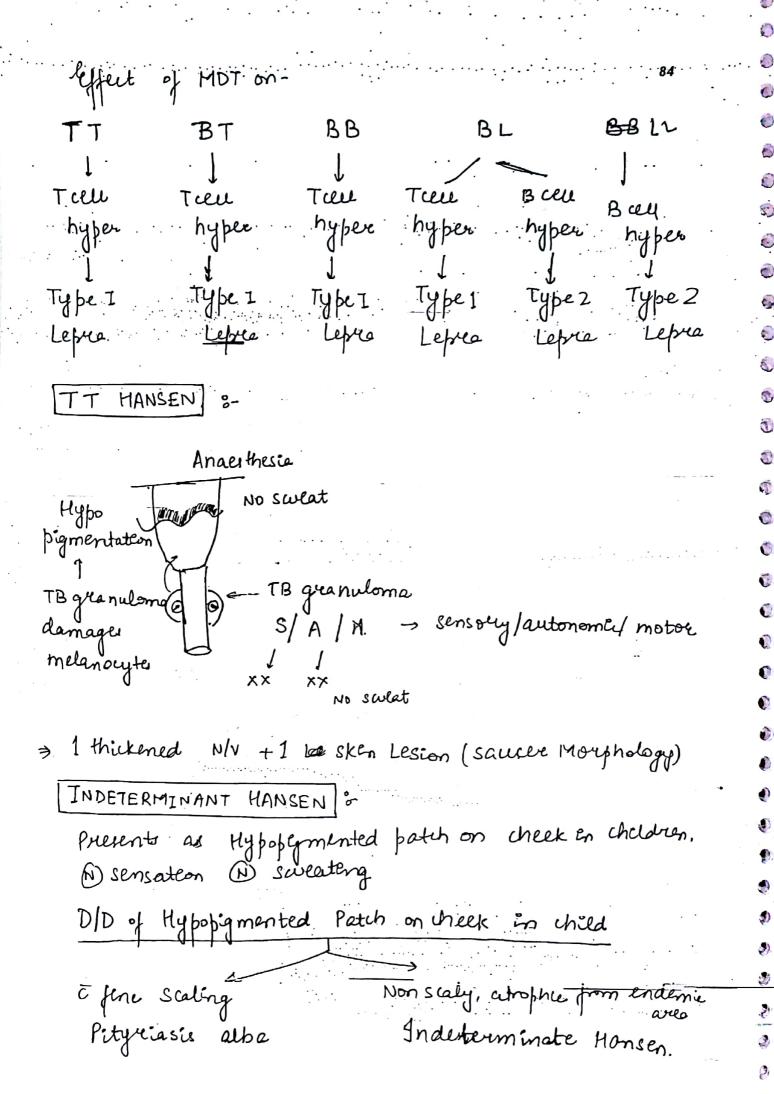
Hypersensitivity Joward TT Side = TYPEIV
Present as Neuritis
t Neure Abscess

also called TYPE 1 LEPRA RXN of N/V.
Rx for Newriti >> MDT + Oral steroeds.
Rx for N/V Abscess >> I & D.

Hypersensitivity toward LL Side = TYPE III

Presents a vasulitie

Called a TYPE -2 LEPRA Rxn. or Engthema Nochrum
Leprosum



FATE some downgreade Most pts. upgrade Histopath: Perervascular or Periadneral Lymphocytes Bacillus not seen: BT HANSEN: satellite Lescons (3-10)few thickened n/vs in type I Lepue Original BT on MDT Fast upgrade Slow supgrade Clencial Type I. No clinical Type ] HANSEN | 8-1) Inverted saucer 2) Punched out Annular (AIIMS). defined 4) Swiss - cheese

(10-30 Lesions)

TT Granuloma Size I. Hence

Sensateone improve

Sweateng

Dry Lesions become shiny Lesione

Hypopigmentation of I

Symmetry of patches i Mvs T

Patches Tim no. but I in Size

# BL HANSEN

Many, almost symmetrical Lesconi - elmost symmetrical n/rs

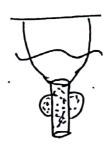
Inverted saucer/punched out Lesions Un Uncomfortable Lesions

## LL HANSEN

Diffuse infilteration of skin. Percipheral N/vs

- 1) (1) sensations (1) sweating, ill defined 13 orders
- 27 lear Lobe infilteration
- 3> Lateral Madarosis
- 47 gynacionactia due to testimbre involvement
- 5) Saddle nose collapse of buldge of nose
- 1> Nasal Septal Perforation
- 27 B/L lagophthalmose- e due to failed n/v involvement Dues to-for [corneal ulien]
- 87 Cotione stocking analytheir due to peropheral heuropathy -

Ø,



BIL symmetrice no involvement Thickening of n/v in LL i due to invasion.

EARLY BLUNS: -Nasal Stuffness Chytaxis (JIPMER 2016) Leg oederna

Nodular LL = LEONINE

bamless nodules Due to unequal invasion of by bacelle . site of Biopsy:

Non nodular LL = LUCIO

means Beautifue (mexican)

also called BEAUTIFUL LEPROSY (Lepua Bonita)

weinkle less/ sheny sken , due to subcutaneous invarian look younger by bacilli the stretching

LUCIO REACTION:

ischaemic ulles

severe vasculités becoming

thrombosed.

LEPROSY :- Q. HISTOID

type of LL à déposone Militance (N) Skin along i Papulo-nodules

RECURRENT ENL

Step1 - Puldnisolone 3 mnthe + clofazimine Mojazimine Toong BD - 3 months llefazinine [100 mg OD] - 3 mosths

### GRENZ ZONE

Zone of sporing in upper derinis cout foam cells.

This may be a zone of better Immunity in the derinis

## Slit Skin Smear

sites: Skin Lesions 1 (Love Lobe), Best site

3 type of staining Pattern

S+F+G=Bartereological Index (BI) S=Morphological Index (MI)

BI remains tre even after R [1 by 1+ every year on R]

BI is measured from 1 + to 6+

It automatically offer lye

RELAPSE

BIT by 2+ over the previous value Unically by new sken leseons + new therend n/vs

[SSS is +ve] if a have more than 10,000 backley/gm.
(Multibacillary) of tiesue

(Paucibacillary)

SS is -ve in there in

TT

BT

Indertermenate Hansen Purce neural Hansen

SS is the en-BT BB BL LL

LEPROMIN SKIN TEST

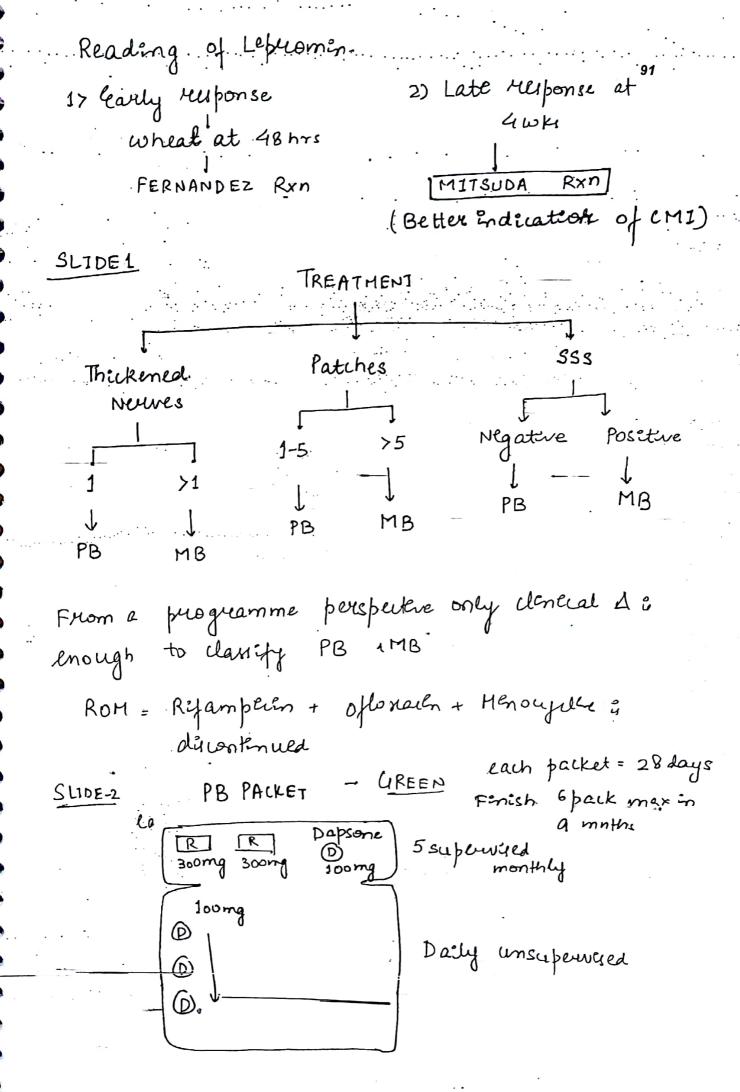
Intradormal sta test for innune status en Leprosy

 $\oplus$   $\swarrow$   $\Theta$ 

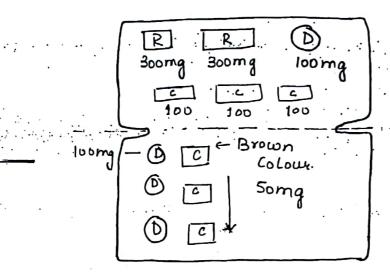
, Joward TT side Jowards LL Side

-> Noumal People

Not a d'agnostie test but a prognostie test



12 packets max in 18 months. each pack = 28 Days . ...



- Lesions often Hemain the same even affer completeon of MDT.

# 2 nd LINE DRUGS

- 1) Quinolones Mori/ sparl oflorain
- 2) Clarithromy con
- 3) Minocycline
- 4) Rifapentene

SE of CLOFAZIMINE

9 Pigmentation - M/c Jethyosis (Dey Skn) Intestinat obstruct 0

3

8

SIE of DAPSONE

- 1) Hemolyte anaemie
- 2) Peripheral neuropathy
- 3) Dapsone Syndromee (5th week SYNDROME)

Skin Rach 1 Hepatitic Jafter Sweek of taking Dapsone

# STD

GENITAL ULCER DISEASES

(T) SYPHILIS

T. pallidium - Spiriochete & "tork-screw" motility

www

enters Genitals (1° chancre) T.P. - 9-90 days ulter.

Extragenital chanvre = M/c site = LIP

SLIDE-4

1° chance (Hard - Hard chance) paraless

I.P. = 9-90 days - Butten leke 9 - Round Jord

> - Single -Regular edges

IOC in 1° chance - Smear from aller

Dark Ground Illumination (DGI)

MOST SENSITIVE + MOST SPECIFIC TEST
IN 1º SYPHILIS

DG1 con the done from extragental Lep chance due to salivary contamination à commensal Treponemes.

SLIDE 5

Blood Test In 1º Chanvel

at 3 WKI - EIA (ensyme Immuno assay) most sensitere sureneng test

at 3W4- FTA-Abs - outdated.

4WK \_ VDRL

4-6 W4- TPPA/ TPHA

enlarged (2° syphilis)

painless Ioc = VDRL

Rubberry

Shotty

2

## SLIDE-6

Rash

Non-Stehy

Mic sign

Creeat initator

No blister

Papulei plaque, scales

Palm, sole involved

Condyloma Lata

(Flat, moist plaques - anal/guoin)

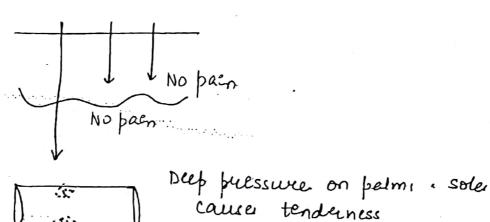
Mucosal involvement

(Snail track cliers)

Palm, sole involved

Gen. Lympodeno pathy

Deep Dermal Jenderness | Buchke-ollendorf sign On deep pressure ca blunt object on Palm. sole Lesson - there is deep tenderness



end arteritis
Obliterans

Londyloma Lata i full of Spirechete.
Le Hence DCrI sample can be go taken from it.

Viystallene peniulin

Newrosyphile - I.v. aqueous

## JARISCH- HERXHEIMER RXn

Inflemmateon, Fever, 1 of Lesions after Rx in syphetic. is max in 2° syphilis.

Ry In Penicillan Allergy:

Doxy cyclène (14 days - laufy syphelis Incompliance 28 days - Late syphelis

Chance (Hedux)
Helapsing

Ri Pregnancy:

- Same as in non- pergnant pts.

- If allerge to penicium - Desensitère

VDRL - Used to monitor relipionse to therapy
tetre reduces 4 fold in 6 months
of R.

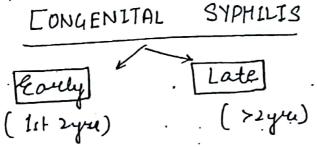
1:64

~ PX

1:16 cin 6 months

Specific Treponemal Tests (TPPA, TPHA) remain tre even after therapy often ling life long.— So, can't be used for prognoster purpose

Bossing



like adult 2° syphelie

like adult 3° syphilis

### SLIDE-8

EARLY CONG.	LATE CONG.
1) Shuffles (Rhinita) lauliest «H/c sign	1) Clutton's Joint-Painless Knee Swelling
the square	2) Sabre Tebes. (Ont bowing of
2) BLISTERS Q.	2) Sabre Tebra (Ont-bowing of tebra)
(Syphilitic bemphyus)	3) Olympian's Buous - Irontal

- 3) Epiphysitis
- pseudopenalysti
- 4) Londyloma Lata

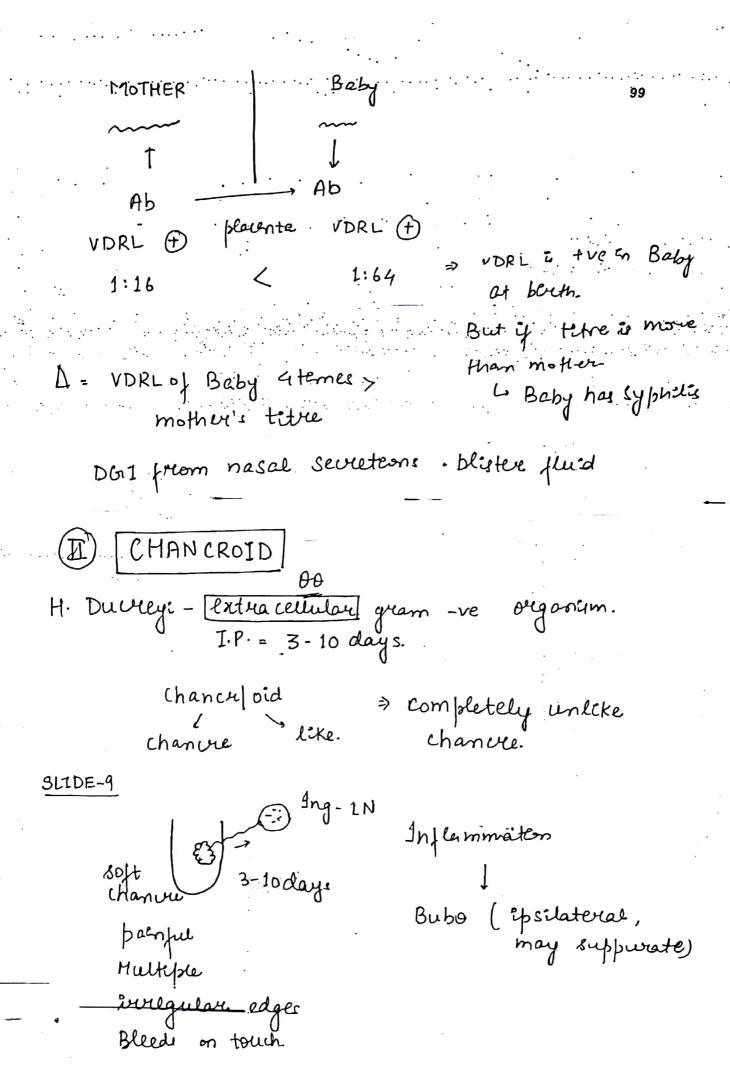
- 3) by mpuris 132
- 4) SAddle Nose

HUTCHNISON TRIAD of LATE CONG.
SYPHILIS

Interctital Keratet

8th n/v desease

Hutchinson, took



In chanceroid, Kissing ulcers are seen due to autoino culation.

1> Gram stan on smear = Gram -ve

School of fish Rail Hoad track

extra cellular

27 Intradermal test - Eto test outdated

37 PCR on skin Biopsy ou smlar.

Rx -

Azithuonyon 1 gin stat

Juja ceptrelaxone 250 mg in Stat

DONOVANOSIS

INTRACELLULAR

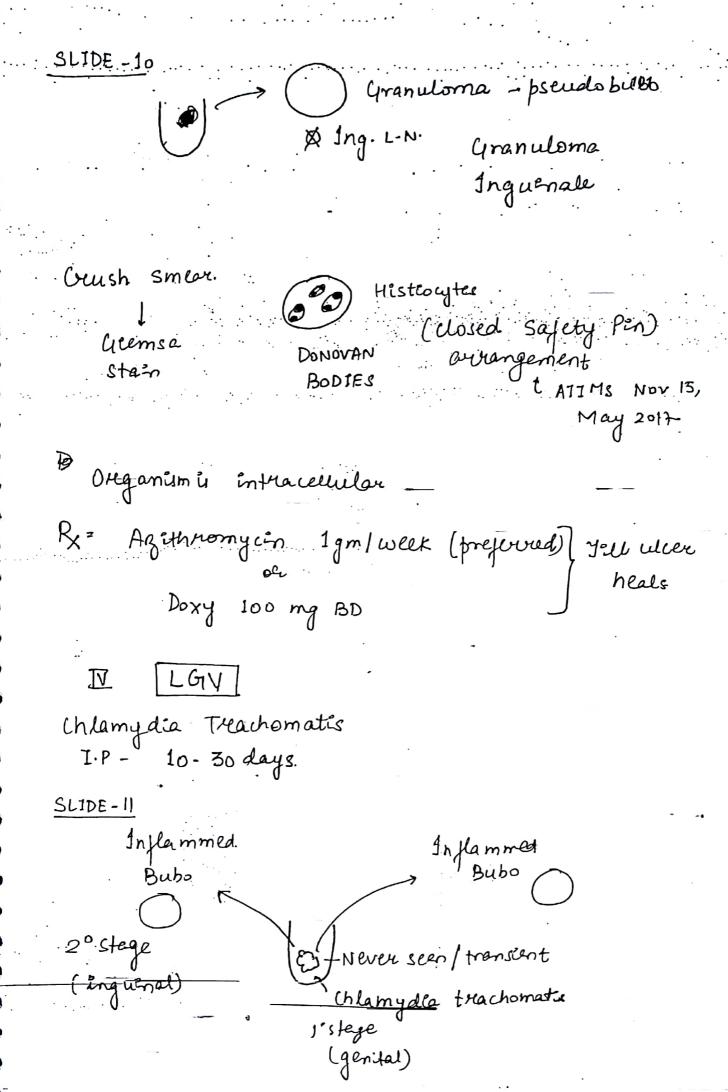
Caly mmortobacterium granulomatie (Klebseille I.P. = 8-80 Days. granulomates)

- Hypertrophic granulation terre on where floor

-> Blefy Red colour

- Bleed on touch

- Painless



102

0

2

ing Bubo

(Femoral) Bubo.

Inguinal legament
(GROOVE)

also seen in

a) MONDOR'S Disease

b) Eosinophilis fascitis

3° Stage of LGV

Elephantiasis due to Lymph oldema

RAMS HORN PENIS/ SAXOPHONE

S shaped penile deformity

LYMPHANGECTASIA
Bubbles of lymph on Skin Surface

LYMPH ORRHOEA of lymph

ESTHIOMENE

(Lymphangiectasia + overlying ulierateon)

A of LGIV = 10 Firet test - outdated Best Tes

2> PCR for ihlamydia by NAAT

Most commonly 3> CFT (complement fination Test)
done
47 MIFT (mivio immuno flourescent test)

Website: http://mbbshelp.com

WhatsApp: http://mbbshelp.com/whatsapp

1> jessure

2) festula

37 Sinuses

4) Strictures.

R of LGIV-Doxy 100 mg BD for 21 days

# HERPES GENITALIS

HSV-2 > HSV-1.

Recurrent Blister « Vliers (Paenjul, guouped) along i þainful inguenal Bubo always reuvvænt

Rx = Acyclorive group of Drings.

### DISCHARGE URETHRAL

Pathology = URETHRITIS

GONDCOCCUS

Gram -ve Entracellular déplocatous

Often symptomater

Unethreite

(weethral discharge)

1) often asymptomatic (carreler) 2) cervial disharge

**5** 

0

0

0

0

1

2

Presumptere Portner Treatment (PPT) in STDs to prevent recurrence index STD pt.

SLIDE-12

GONOCOCCAL

N. gonowhola

IP 2-8 days.

Thick purulant weetherd

-Rx-

- → Juju ceftelaxone 250mg IMstat
- + Azethromycen 1gm stat (prefferred)
- Tab cefinine 400 mg stat + Azithromycan 1 jm Stat

NON GONDCOCCAL

ihlamydia/THUhomonai) mycoplaine/weaplaine

1-3 week

Then mucopwulent DIC

Rx

Tab. azethromy in 1gm stat (prejerval)

Doxy loong BD for 7 days

#### APPROACHES SYN DROMIC

URETHRAL DISCHARGE

GONDERHOEA

CHLAMYDIA

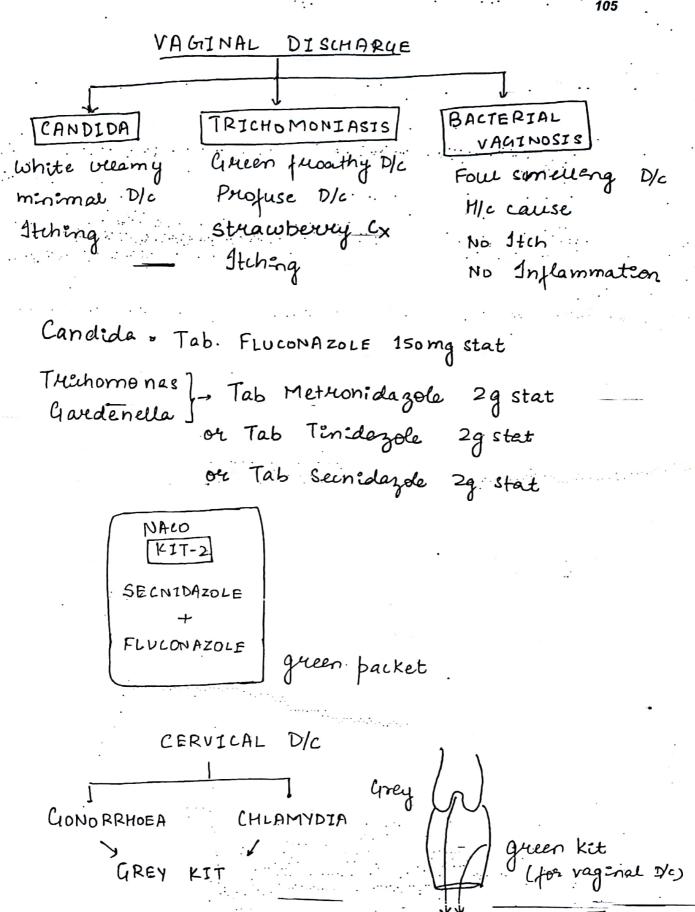
CEFIXIME

AZITHRO

KIT-1 AZZTHRO CEFTXIHE

NACO

GREY PACKET



Speculum

Exam<sup>n</sup>

6

T

# BACTERIAL VAGINOSIS Q

- \_, GARDENELLA VAGINALIS
- Anaerobic Bacteria (Bacteroidez, Pepto coccus)
- Mycoplasma

# AMSEL CRITERIA

- 17 Thin homogeneous white adherent D/c
- 2> Vagenal fluid pH > 4.5
- · 3> Fishy amine adowe (WHIFF TEST)
  - 47 Clue celle >20%

Clue celle on west mount/ GRAM.

Organism spithelial cell

Add KOH

Amine / Fishy Odow (whijj test) JNGUINAL BUBO

(HAN(ROID LGV

LAV

AZITHRO 19 (1) + DOXY (100) BD

Stat 21 days

NACO

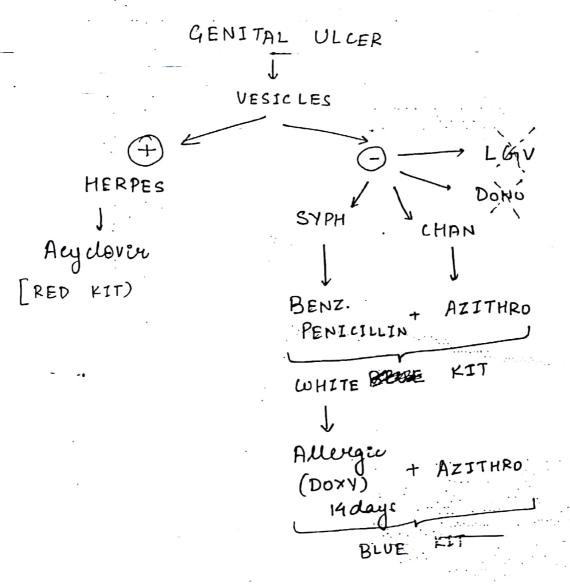
KIT 7

DOXY 100mg BD for

+ 21 days

AZITHRO 1gmstat

BLACK PACKET



NO PARTNER T/T REQUIRED IN 9

GARDENELLA

HERPES

CANDIDA [4] partner à symptomatie et same teme Repartners

M/C - WORLD (WHO- 2015)

STD (overall) - HSV2

\_\_ Viral - HSV2 7HSV1\_

Bacterial - chlamydia > Gonowhola

Protogoal - Trichomonas

# BLANK

# PSO PIASIS

- Autoinmune Disease
- TH1 , TH17 mediated inflammation (Tcelli)
- TL-12) IL-17, IL-23) are severted by Tells. initiating inflammation

-, Associated = [HLA-CW6]

R = Immunosuppressives [systemic steroid is C/I]

STABLE

← Exacerbating factors

UNSTABLE

(-sudden many new Lesions

- pustular psoriasis
- enythrodernic psoriasis)

\* Exacerbating Factors:

-Sudden withdrawal of systemic stereoids

レ (D) イ

"Infer" - strepto co cuis

Deuge - (Blockers. Litheum, Chloroquene, NSAIDS, ACET

I> Ps. VULGARIS

HIC type

on [extensors] silvery scales

itchy

cheronic plage from - M/c.

I) GUTTATE Ps.
Raindrep

Ry-includes Antibiotic against streepto

TID) ERYTHRODERMIC PS./EXFOLIATIVE DERMATITIS
Red Scaly.

C/F- Red scaly plagues all over body (790% of BSA)

R- 1st Line = Methotrerate

2nd " = ACITRETIN

TIT FLEXURAL PSDRIASIS 
(inverse)

No Scaling

Sher buythernatous shiny plaque in [sken folds]

(Infram Barmmary area, groin) as scales get deslodged

Silvery plaques on scalp Their scales Sebornhoeie Dermatitis (SD)

L. caused by MALASSEZIA.

- yellow greasy scales

- thin scales

# II) GEN. PUSTULAR PSORIASIS (GPP)

Uf Diffuse pus all over body servere inflammation

Fever

"Sheet of pus"

all pustules juse together in centre to jour " sheet of pus".

Non-Preg 6

VON- ZOMBUSCH

TYPE

Ry- 1st Line = Acituetin
2nd Lene = Mtx

IMPETIGO HERPETI FORMIS

Doe: Syst. steroids

1) 9 is also diabete

Doc= Cyclosporin

#### VII) PSORIATIC ARTHRITIS

- -, 5-30% of ptr.
- → HLA B27, HLA B7
- Neil psomasis pt have I risk of developing authorete
- Dactylitis. enthesitis
- usually sken involvement precieder joint involvement classical jt. involvement = DIP.

DOC - Methotrexate (except ARTHRITIS MUTILANS)
[Etanercept]

SLIDE-14

	R	_
<10%····································	10-30%	>30%
1st line Topical steroids Topical calcipotriol	1st Line Navvow band UVB	1st Line  Methotrerate  Acctraten
(vit D dereviatere)	2nd Line. Puva	2 noi Lane · Cyclosporin
2 nd Line - coaltar		· Furnaricaled litero · Biologics. (letarnoclept
- Solicylie acid  Coalter is ante- division drug		Inflinemat.
Salicylic actd is		Adalemumab)

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THE !

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.

GOECKER MAN INGRAM UV COALTAR ANTHRALIN WORO NOFF'S RING around prorease Lescons - Hypopigmented Ring indicating healing of Lestons Due to inhibition of PG Synthesie 1 resulting Vaso construction REITER'S DISEASE REACTIVE entrey of Chlamydia.

Through sexual trou entry of Salmonella URETHRITIS Shigella DIARRHOEA Yersente Campylobactor 3 common Symptoms afterward ARTHRITIS RED EYE SKIN LESIONS - in wt bearing long" / uveltu Its (large) Keratalermo Circinate - HLA- B27 Balanitis blenowhagus

- enthe sitis, dautylitis

(AJIMS, OB)

115

N Skin between follule PITYRIASIS RUBRA PILARIS

Red Haer

+ Follierlar

Keratosis

L very shoup on palpation

uld/orange colour around have

Feel like a "Nutmeg-greater" on parpatton

- (1) sken bet follie = Island of sparing
- Palmo- Plantar Hyperkeratosis
- → levythroderma
- → Kerester spo Sandal thick planter kereaten appearing like sandal of Kereaten.

LICHEN PLANUS

autoimmune disease

PURPLE POLYGONAL PRURITE PLANE-TOPPED

NO scale Flexural areas (H/e- Whist flexure)

alo HCV, HBV

usually healing = hyperpigmentation.

white veiss-vross marks
(Wickham's Striae)

is due to HYPERGRANULOSIS

#### TYPES OF LP

#### 17 ORAL LP

- White. viess cross [Lay/ Retendar) pattern
- Buual muiosa, tongue
- Associated & Dental Amelgam contains Mercury
- B/L

4 U/L 04 B/L

ATIMS nov 15 (Image)

6

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de

- have symptoms

[Leukoplakea & U/L, not cress-cross, asymptomatic]

\* Rik of malignant pot" in o'cal 'LP 8-Lacy pattern doesn't have Resk. Ulceratere oral LP and LP on tongue have resk of 1-5%

27 ACUTE WIDESPREAD LP Sudden surption of multiple Lescons DOL- Systemic Steroids

#### 3> LICHEN PLANUS PIGNENTOSUS

Pigmentation in sun exposed averas (No itcheng)

47 LP PILARIS / PSEUDO PE LADE

have Tielly Bulge (stem cells)

Bulge is Ag

scarring alopecia

- · patchy scaveing alopeine
- · perefollicular blue-grey macules
- r foot print in snow applevence!

Perifoliculou Blue-grey macule.

- 5> ACTINIC LP
- Sun induced LP.
- → Itch
- hypopigmented macule surcounded by a hypopigmented ring on sun exposed areas
- 67 HYPERTROPHIC LP
  Hypertrophic plaques on lower legs
  (thick, flat elevated)

RX 01 LP

Oral LP

LP Pigmentosus - CHRONIC De

LP Pilouie

Localised LP - Topical Rx

Steroids Calcipotreol Taveolinus

Cieneraliset IP - Systemie R

> Sterioids

Non- Steroidal immuno suppressere closporene ← Mtx

Phototheropy

Mycophendate

Azatheoprine mojetce

>) For hypertrophic LP -> Acitretia (Keratolytic)

autoimmune de of have Ag: melanin in haer bulb.

) Bulge - 📵 Tcells

destroy but

No whinkling. H/c- Scalp. > NON- SCARRING patchy alopecia

always spareng of white/ carey have in alopeice patch.

LOCALISED PATCH

Ly Topical stevoids Minoxidel

Intralesional steroid- most effective

# PROGNOSTIC FACTORS

1> OPHIASIS

is acreate et the hace line morgini

2) ALOPECIA TOTALIS

4 loss of complete have of scalp

37 ALOPECIA UNIVERSALIS.

6 loss of total body hali

4> EXCLAMATION HAIR

Website: http://mbbshelp.com

- 5) PRESENCE OF ATOPY
- 6) NAIL CHANGES (Regular pitteng)

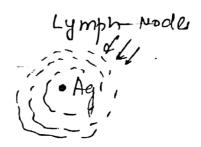
TOTALIS/ UNIVERSALIS

Contact 1 Sensitezer

Di Nitro Chloro
Benzene
(DNCB)

Di-Phen Cyprone (DPc) Square Aced Di-Butyl-Ester (SADBE)





#### TRICHOTILLOMANIA

AIIMS MAY 2017

- Obsessive compulsere Disorder of hair pulling
- Patchy Haer Loss & haers of varying length in patch more on vertex a Dominant Hond. Side
- TONSURE / FRATR TUCK SIGN &Loss of VERTEX & Sparing of side
- HISTOPATH: followlaw Hige

# LICHEN NITIDUS AIIMI MOUY IS

- Pin point papule on dorsum of hand egenital:

- asymptomater - sett mesolving

HISTO PATH

CLAW & BALL appearance Clutching the ball 4

Rete go down : curve inwards like a claw.

Lymphocytes look like Ball

### FUNGAL DISEASES

#### 1) PITYRIASIS VERSICOLOR

powdery various colors

caused by Malassezia furfur Now Malassezia globosa

Both are commensal around have follicle in the sebourhocie areas.

> Chest Back

9 overgrowth of malanezea

release Azele Aced [Tyrosinase Inhibetor]

Perifollieulae Hypopigmentation

Later juse to jour Large Patches [asymptomatici

Sometemes other colours [Brown, Red, Yellow] may also be seen

SCRATCH SIGN-Scratching of Lescons make powdery scales prominent in the scratch LineΔ Suapping
Stain c KoH

Spagnette \* MEAT BALL or BANANA \* GRAPES appearance Q.

Heat Ball

Lepaghetti

Rx-1) Oral \* topical Azole guoup of drugs 2) Topical Selenium sulphide

3) Oral griseofulven/oral Terbinagene donot work

\* Organism is killed immediately but promentation problem takes longer (4-8 wxi) to resolve.

27 SEBORR HEIL DERMATITIS (SD)

Malessezia overgrowth à Itcheng « yellow greasy sialer. in sebourhoeir areas.

-SD in infant = [CRADLE CAP]

- Extensive SD - HIV
Parkinson's Disease

Ry = Similar to pityrlary versioler

# 3) CANDIDIASIS

Candida albicans (OPPORTUNISTIC Fungus)

- . DM
  - . Moisture
  - · Immunosuppression

#### TYPES

### a> ORAL/ THRUSH

white velany white wedy plaques in oral cavity can be surapped off (pseudomembrane)

Leukoplakea cano t be surapped off.

#### by CANDIDAL BALANITIS

glains inflammation

[levythernatous] atchy papule or ecoscon on glans
often = repeated washing = water.

- C> CANDIDAL BALANO-POSTHITIS.

  Fissures on prepuce

  If neuvoient -> s/o uncontrolled DM Q.
- D) CANDIDAL INTERTRIGO

  Bet " fold

Mout erythema in folde i satellite lescons

Δ -

Smear

Starning i KOH , grams starn, to show buddeng yeart

47 TINEA

causes annular Lescons

è itcheng \* peripheral scale

scale

central

alc moist skin

Groin - Tinea cruvis (Jack itch, Dhobe itch)

Body - T. corporele

Scalp - T. capitis

.Feet -> T. pedi/Athlete's Foot

Nail - T. unquiern (onythomycosée)

Hand - T. mannuum

Stevoid modified Tinea - T. incognito

Naie

5

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(1)

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4

SLIDE 15

T. CAPITIS M/c organism

Andie - T. violaileum

world - Meirosporum

US/UK - T. Tonoswans

Doc- aresenfulven

ALL OTHER TINEAS

MIC organism

T. Rubrum

Doc-Terberajen

T. CAPITIS

Creates patchy have Loss



ELTO - THRIX

Caused by Mivrosporum



ENDO- THRIX

caused by Trischophyton

3

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T. CAPITES

INFLAMMATORY

(Non-scarring aloperia)

. GREY PATCH.

Mivrosporum canis

M-audoumii

M. ferrugineum

· BLACK DOT

T. Tonsurans/

T. Violaceum

INFLAMMATURY (scaveing alopeica)

KERION

(Boggy swelling)

Poor prog

T. Mentagrophyte

M. Cani

7. Vevu Ca

-FAVUS (yellow scutulum)

T. schoenleinii.

5> SPOROTRICH OSIS

Ioc - Skin Beobsy

H/P -

ASTEROID- Bodee

in dermes

\*

OHAL ITRACONAZOLE

other KI Amphoterica B.

#### 6> EUMYCETOMA

Swollen foot & Discharging Sinuses In a farmer walking BARE FOOT.

TRIAD Q

TUMEFACTION ( Swelley

SINUSES

GRAINS

SLIDE-D \_

Swoller Foot - Ducharging Senue

Bothysmycosie

[Staph]

Evry cetoma

Madurella mycetomatis

BLACK GRAINS

Actenomycotec mycetoma

?> Actino madara

madurae M/c

b) Nocardia

es Strepto my ces

WHITE GRAINS

0

EUMYCETOMA

Otal Straconagele

KI.

- Amputation

ACTINDMY COTIC MYCETOMA

Q. [WELSH Regemen] -> Amikaien +
Rijampiin +
Cottimoxazele.

# 7> CHROMOBLASTO MYCOSIS

Presents as cauliflower masses on feet in a barefoot farmer after a thoun preck

Smear shows -> naturally yellow spore

SCLEROTIC BODIES

MURIFORM "

COPPER - PENNY

DOL- OHEL ITRALONAZOLE + Sx excession of Mass-

#### VIRAL DISEASES

I) HPV

causes worts

wants comes on

Non-genital skin

VERUCA

V. VULGARIS PLANA.

M

HPV 3,10 Genetal SKGn (STD)

CONDYLOMA ACUMINATA

means pointed

HPV 6,11

#### GENITAL WARTS

Iméquimod - Immunomodulator - DOC

Podophyllin Podo phyllotoxin

Anti-mitoties

(purified extract of poclophyllen)

IMIQUIMOD is a TLR-7, TLR-8 agonist

hence, actevates Langenhans celle

VERRUCA Acide Burneng (cautery) [Salecyle accd - Doc Freezevigotherapy Trechloro aceta acid] ( Lequed N2) GENITAL WART IN Q Trichloro actiticacid Cryotherapy (BETTER ANS) PLANTAR WARTS Q SUPERE ICIAL DEEP MYRMECIA HOSAIC .. HPV-1 HPV-2 ( BUSCHKE - LOWENSTEIN TUMBUR. Big cauliflower mutated HPV-6,11 - Creating Low grade Cauliflower shaped. SCC/ Verticous carcinoma SEBORRHELL WART/KERATOSIS. BASAL CELL PAPILLOMA Q Munomer. Due to benign proliferation of keratenocytes

3

0.

LESSER TRELAT SIGN

Sudden veriften of multiple seborocheie keratsse

suggest underlying malignancy

(Adeno Carcinoma of Stomach > Colon)

# 2) HUMAN HERPES VIRUS (HHV)

Cause Herbes Labialis

quoup blisters on the lip. . peri- oral area.

relaterating [ fever [ FEVER BLISTER]]

HHV 2 = HSV2 causes Herbes Genitalis

ECZEMA HERPETICUM - KAPOSI'S VARICELLIFORM ERUP'

Disseminated HSV-1 in an atopic legeme patient

Who is immunosuppressed the inoculated by HSV-1

through another patient

Also seen a DARRIER'S DISEASE

P. FOLEACEOUS PI.

HHV3 - Varicelle Zoster Virus

1st éphode = Variable [checken pox] Reactivaiten = Herpes zoster [shingeles]

Variella presents as verces (Den Drop on Rose Peta)

pustule, finally crust (non-contageous)

It has polymorphics centripetat lessons

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**(** 

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After varielle gols -> VZV remains hedden in spenal \* vanial ganglia. · reactivate along dematorne. (immunosuppression)

HERPES ZOSTER

COMPLICATION OF HERPES ZOSTER

17 Post-heupetic neutralgia (PHN)

defined as pain even after 4 weeks of

Mesolution of herbes zoster

DOC = UABAPENTEN

TZANCK SMEAR

BALLAK

Fluid

Fluid

Gense

HERPEES

(multenucleate giant ce

(Both HSV & VZV)

#### PITYRIASIS ROSEA

HHV 7> HHV6

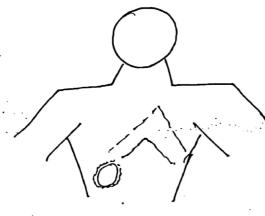
Rarely, Deug Induced 9

1st Lesion of Direarc => HERALD PATCH

annular Itchy

Peripheral scale (collarette)

Trunk

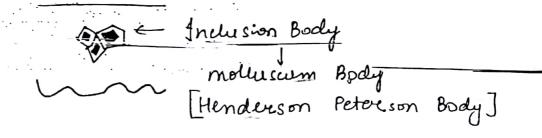


Hest of Lesion come in Straight line meeting in centre

FIR TREE/CHRISTMAN TREE
pattern. (differentiate
7 Tenea)

- Self lemitting in 4-10 WKs
- Acyclovic shorten disease direction
  - 3) MOLLUSCUM CONTAGIOSUM

caused by MCV (DWA Venus)



c/F-... Shiny umblikecated dome shaped popule 136 - children, fece -, genital molluscum -> STD

R- same as fore warts

# PARASITIC DISEASES

I> SCABIES

caused by female scables mite enters finger web or genetal through BURROWS S-shaped

Arg. no. of mite on skin = 12

UF- Itchey Papules in adults
Nocturnal Itch

Facial sparing in adults

Scabies - poor hygiene disease [WATER WASHED DISEASE]

I.P. = ·3-4 weeks -> 1st episode 1-2 days - Later epuode (due to memory Tuelle)

CIRCLE OF HEBRA ancila

areala

unbileur

webs

genetal

**5** 

9

W X

Rx - For pt + close contact + clotheng

# . . R. for INFANT . SCABJES

- face a involved
- falm/sole involved
- Papules + resules

R-Doc - 5% Permethuin : single overnight appeiration
[adults, infants, Q]

other R-

Tr) Benzyl Benzoate 25%.

2) Lendane

- 3) y Benzene Hexachloride
- 4) Crotametan
- L5) Sulphur

OHAL → Irenmentin → 2 doses 14 days aport (200 pg/1cg/dose)

#### NODULAR SCABIES

Hypersensitevity ruponse to scabies mite INTRALESIONAL STEROIDS

5% more inflammation.

PERMETHR (-)

more elevation

Seen on genitals

#### NORWEGIAN / CRUSTED / KERATOTIC SCABIES

HIV + bts

× (Ag) ×

No Hesponse

No itch

No screatch

numerous mites

C/F- Hyperkerotosis

R- Oral Ivermetten + Topical Permethelen.

# PEDICULOSIS

caused by LOUSE

HEAD LOUSE Long, slender, louse lay, eggs (Nits) on Scalp halrs

adult

Ifth

P. CAPITIS

R - 1% permethuen

BODY LOUSE course pediculosis comports.

VAGA BOND'S DICEACE

Not on Body, But on clothing

Hetvens back to cloth

Rx = Disimper of Cloth PUBIC LOUSE/.

CRAB LOUSE

Shout, Stocky Louse

Cause P. PUBIS

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19

Louse bete mark

called

Maculae :

Rx= 1% permethras

5% Permethin

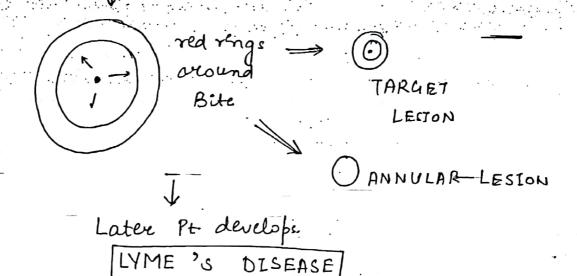
Oral vermeten

# IIT ERYTHEMA CHROMICOM MIGRANS

Bite by a hard tick (IXODES)

deposits

BORRELIA BURGDORFERI Ento



ID PKDL.

Post-Kalazar Dermal Leichmanlasis Bête by a sandfly deposits Leichmania

Leigh manies is

CRUSTED ULCER

Visceral Leighmaniasie

Fever i hyperfigmentation

[KALA-AZAR]

Often many you of Kalazer

PKD1

	PKDL	
		Nodular
Hypopia		
B foun	ns Hesem	the Lephosy
1	•	

H/o Past Jever in Q ⇒ Suggests PKOL

△ of PKDL-Coush smear (giensa stæn) for LD Bodies Slit Sken smear (" ) for LD Bodies

DOC-OHAL MILTEFOSIN

V) INSECT BITE HYPERSENSITIVITY

Excessive Ammune Response to Simple Ansect Bêter

- Lesions on exposed areas.
- → 1 in Herry Season

# ECZEMA /DERMATITIS

# I) ATOPIC ECZEMA

TH2 mediated inflammation (Bcell)

△:- Hanifén \* Rajka viiteria

SLIDE-18 MAJOR CRITERIA - Any 3 out of 4.

- 1) Itching Hallmark
- 2) Typical Sites
  - -> Entensor Dermatet. [cheldren] 6-2 yr
  - -> Fleror Dermate. [Adults achildren] 2-12 yru
- 3) Personal H/o / Family H/o of atopy
- 4) Uhronie relapsing course

classical flexion Involved: ante-cubetel fossa

" l'extension " cheldren = cheek

[HEADLIGHT SIGN]

Sparing of nose a

percorae every perioustitel area

(1)

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1

9

ACUTE STAGE Dozing, vusting Linenefration

#### MINOR CRITEPIA

- 1) Dennie Morgan FOLD lentre vuese on Lower legelide
- 2) Pityriasis Alba
   Hypopigmented paten i fene scaleng on cheek.

  in children

   often recurrent / non-itchy
- 3) Peri-orbital Pigmentation
- 4) White Dermographesm. Q Vasocontricten on scratching.
- 5) Plantar Hyperlinearity
- 6) Palmar Hyperlinearity
- 7) Jethyoses Vulgares (Deny sken)

RyMoistureseng vream (lipidi)
Lipid Meplacement

2) TH2 cell Inhibitoris

Localised D. generalised Dislage

Localised Disease

Generalised Dycase

Steroid

steroid

Calcipotriol

Cyclosporine

Tavedmus

Azatheopune

Phototherapy

Mycophenidate

II) CONTACT ECZEMA

SLJDE-19

& H2504

D

Direct destruction

IRRITANT

NECKEL

Ag

1st exposure sensitges next exposure cause · Meneral derease

Inflammatory Immune response system

ALLERGIC

9

0

Not Immundogical Due to toxic chemical.

No sensitization required direct clinical phase

Hemony cell hot

1) Detergents (Housewives Eczema)

2) Acid , alkali Burn.

Immunological Type-4 hypersensiteraty

ALLERGIO

sensitization phase 1st followed by clinical phase

In preduposed person.

D - PATCH TEST

lg., nickel. -> H/c overall

2) PPB - in have dye

3) vegetable-Mlc in Indian female

READINGS OF PATCH TEST

2nd Read For neomycen,
1st, Read PPD-metala

Day 0

Day 2

Day 4

Day 7

3rd Reading

DEU OCCUPATIONAL CONTACT DERMATITIS

A) Au Borne Contact Dermatite / Phytophoto Seen in formers.

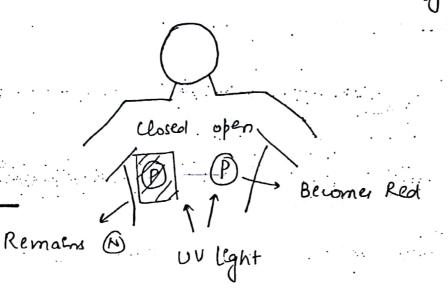
enposed to Ag- from Parthenium Plant Loupled i some expocure

Website: http://mbbshelp.com

WhatsApp: http://mbbshelp.com/whatsapp

A\_ Photo PATCH TEST

ATIMS - May 26.



DOC- AZATHIOPRINE

- B) CEMENT DERMATITIS

  Ag Potassium Dichromate
- c) HAIR DRESSERS.
- D) TEXTILES

  Ag AZO DYES

# III> POMPHOLYX

- Form of HAND , FOOT ECZEMA Severe spongiosis
- presenting as Deep seated Bluters on Palm + Soles

  E SAGO GRAIN leke feet . severe Itching

9

8

0

6

6

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3

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4

### DRUG REACTION

# A> FIXED DRUG ERUPTION -

M/c. cause - NSAIDS
other tetracyclene

Metronidazole

Sulphonamide

on Dung Exposure

red Iting Paten

Lescons recurson same side

become hypo pigmented

Resolves

on drug re-enposurer

COMMON SITE = Lips , Genitals

Pigmentateon i Bluish- Ulley

[BROWN P14. ON NOIE Post Fever = CHIK segn seen in cherkenguniya]

Bullous FDE is seen in Genitals.

On Genitals it comes our as recurrent blisters
Author healing i hyperply mentation

( not = Herpes genitalis)

BY ERYTHEMA MULTIFORME CIF- Target Lescons 2 3 ZONES ETIO-HICC - HSV other - Mycoplasma 1 dispather \_ K- self Limiting BULLOUS EM » centre most avea gets blister 2 types of EM EM MAJOR EM MINOR Many target Lescons Few target Lesions one muissa involvement No mucosal involvement (oral) C> STEVENS JOHNSON SYNDROME(SJS) TOXIL EPIDERMAL NECROLYSIS (TEN) ETTO, machly Drug Induced - sometene my coplaina C/F-1) TARGETOID LESION or atyphial target zone 2) ≥ 2 mulosa involved Depending on to Body 230% <10% 10-30% TEN SJS Overles

## TEN (LYELL'S SYNDROME)

Dead Layer Fas receptore (apoptosu)

Basal Layer Tcells

Blistere

Death extend to full lpidermis (nevosu)

falls off

Barrier Loss

R- 1) FAS (B) Antagonist » IVIQ 2> CD8 cell Inhibetor » CYCLOSPORINE

NICHOLS \* NIKOLSKY SIGN

Tangenteal movement à finger create libedermal movement à a raw area underneath.

#### BLISTERING DISORDERS

#### A) IMPETIGO

NON - BULLOUS.

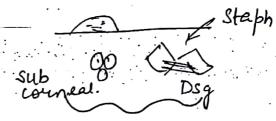
THPETIGO CONTAGIOSA.

\_ Staph> ar A strepto

- Commonest skin Inject

in children

Honey colowed Crusts around mouth, hose PEMPHIADUS NEONATORUM



E. Toxin. desseminates en

Blood

(expoliatere) SSSS

(epidermolytes)

DIF = (-ve)

HYPOPYON SIGN- pus in Lower 1/2

Dsg 1 - sebowheie areas my wosa - absent

child

RETTER'S Disease

Present only in children es

Scale crust lescons as

sebourhoie areas tout

mulosal involvement

Fever D

Nekoliky sign (+)

## B) PEMPHIGIUS

#### 1> P. FOLEACEOUS

Been in adults
No fluer
Scale/crust in

Scale/ coust in seb. area

No mucosa

#### 2> P. ERYTHEMATOSUS

also called SENEAR- USHER SYNDROME Vorcant of PF

PF \* + SLE × , \*×

PE

#### 3> P. VULGARIS

Dsg 3 Disorder

present all over body

also the in mucosa

, PV

Deep wounds
open painful
wound, slow to
heal

Severe mucosce involvement.

MUCOSAL

MUCDCUTANEOUS

only Dsg 3 involved

Both Dig 1 . 3 involved

47 P. VEGETANS

leke a regetable

cauleflower. - leke

masses in flexure

variant of Pv.

Rarest pemphegus

5) PARANEOPLASTIC PEMPHIGUS

Resembles P-vulgaris but à Internal Malignany

M/c - NHL

others - CLL

L, Castleman Dislace

-thy moma

-> Retroperitonear

Nikolsky sign A in all pemphique.

R = 1) Systema steroid - Doc High Dose

2) Non-steuoidal immunosupp.

lg Azathioprine, Mycophenolate, Cyclophosphamide

8

0

5

8

0

3) Rituximab, antibody

monoidonal

against CD20 receptor on B cell surface

B c> BULLOUS PEMPHIGOID

Tense they blytere

Bliter on come on red/witeraxial skin

extremities trunk

felderly patients

HIP- Subepidermal blitter + lessinopheli

BULLA SPREAD SIGN LUTZ SIGN

Bullous Pemphigord

P. Vulgaria

ASBOE - HANSEN SIGN

Variant of Bulla sign
Pressing on top of blister not from one side

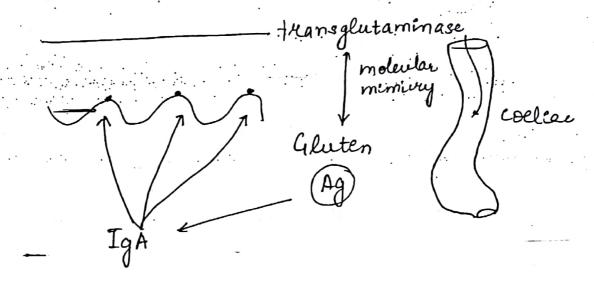
BP in 6 > GESTAT PEMPHIGOID GESTATIONIS

(Herepes gestations)

\*\* minorin

N/c site - Persumbilical Bliters

Papulary top Blisters Microabsuese Q



DIF > IgA @ tep of Dermal Papella in a granular patteren

Severe Itching arouped populove sille on elbow. DOC = Dapsone + Uluten free dete

E) [LIGA] Chronie Bullous Disorder of Childhood children

ADULTS

-, Ithy tense bluter in a cluster of Jewel or String of Plant appearance

- 50% have mucosal involvement

DAPSONE

Benign Familial Pemphigus

Age of presentation- 2-4th Decede

Flacial Blüters in Flexors rupturing lasely to weate croscons bacopul tenure.

H/P - Dilapidated Brick wall Appearance

Level of Blüterz SUPRABASAL

(Traumo Induced Blister)

Blister D site of handling HITTEN HAND DEFORMITY Seen in EBD.

A. - electron meuroscopy

#### VASCULAR LESIONS

CONG.

VASCULAR TUMOURS

Infantile Hernangioma (strawberry hernangioms capillary " careernous"

Grows Rapidly-till 9 months then plateau phase then resolves

Blancher on pressure

Profrandol & Doc. if
-Hapidly 1.

- near lige

VASCULAR MALFORMATION

Port wine Stain
Persists throughout life
[portwine stain on glabellaCalled a Scalmon patch
revolves)

Dolan't blanch
Associated - Sturge weber
Syndrome
Pulse Dye Laser (PDL)

STURUE WEBER SYNDROME

I/L Portwine Stain +

I/L lye Involvement +

Same side CNS involvement

#### ICTHYOSIS

-, Generalised Duy Skin

. Fish like scales Jethyos - means flip

A) CONGENITAL ICTHYOSIS

He type

Flexures sparred

Palms/Soles Involved

Small Scales

Association - atopy

H/P - Absent granular Layer

1 X- LINKED RECESSIVE ICTHYOSIS

Flexivies Involved

Palmi/Sole spared

Steroid surphatase deferency
Large Brown Scales

D LAMELLAR ICTHYOSIS

Entere sken involved

Plate like Large scales (Lemella-Plate)

Born T "COLLODION membrane" Q

## B) ACQUIRED ICTHYOSIS

CRF ··

AIDS

Hypothyreoidin

Hansens

Drug Indued (Nicotènce acid, clofazements